

# Manufacturers Record

## Exponent America



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Baltimore, Md.  
MARCH 22, 1928

## A Great Opportunity for the South.

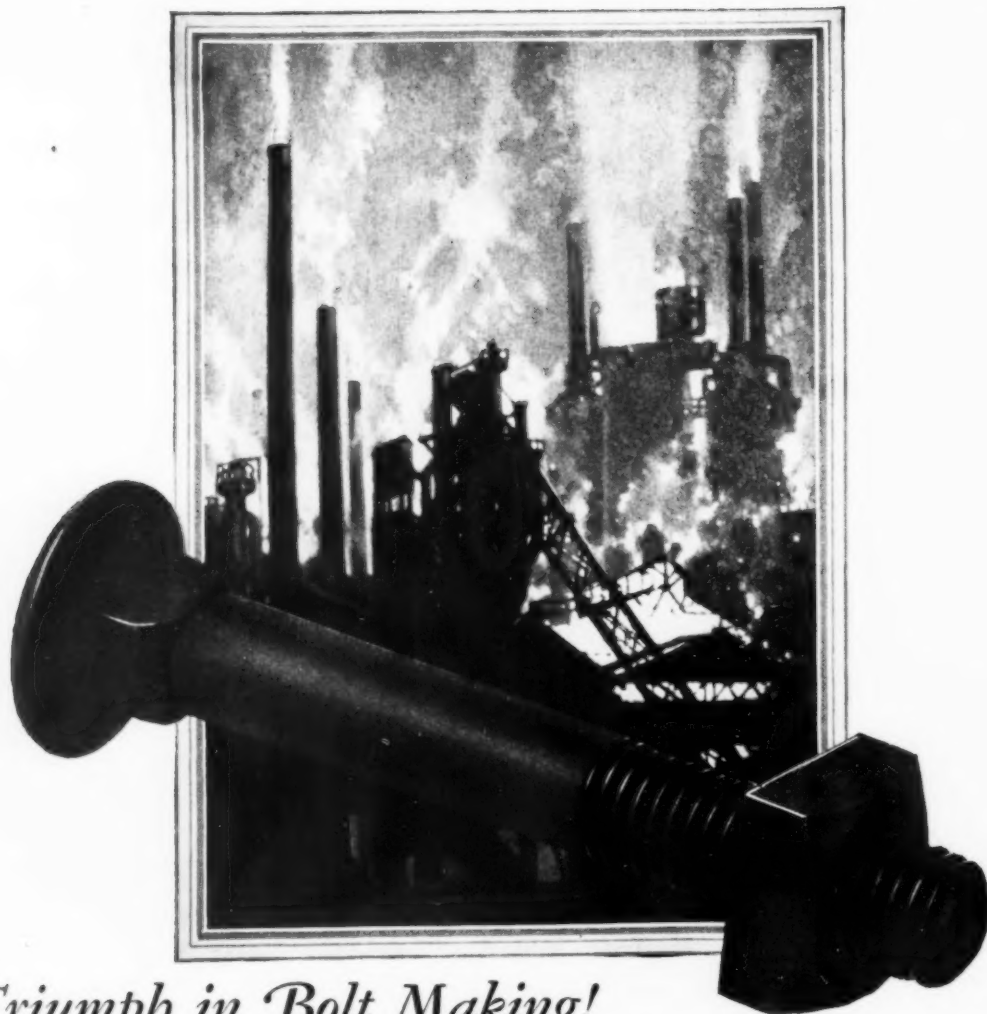
From all indications, the fifteenth annual convention of the National Foreign Trade Council, to be held at Houston, Tex., April 25, 26 and 27, will prove to be the most interesting and important in its series to date—indeed, under the guidance of its chairman, James A. Farrell, president of the United States Steel Corporation, and Oscar King Davis, long the secretary, these conventions have grown progressively in interest and importance from the initial meeting. And by no means the least significance of these annual meetings is the tendency of the Council to turn to the South, the convention of 1926 having been held at Charleston, S. C., and that for 1930 being scheduled for Baltimore.

To industrial, financial and commercial representatives in all parts of the country, this convention should be an irresistible magnet. To industrial, financial and commercial representatives from the South, Houston should be a Mecca.

To the United States at large the convention is of tremendous import, through the fact that more than 75 per cent of the manufactured goods exported from America are sold in Latin American countries; as Secretary Davis well says, "Our pre-eminence among the sources of supply to every Latin American country has been a new factor in our world trade since 1925." In 1927, the trade of the United States with Latin America ran close to \$2,000,000,000, or greater than the combined aggregate of England, France and Germany, America's principal competitors.

To the South and its representative business men, the convention is of particular importance and opportunity in view of several facts. For one thing, as a great industrial section, the South will find, and can make, the Latin American countries growing and profitable markets for its products. For another, the South is the natural gateway to the Latin Americas, by land and by water and by air. Nor will cultivation of the Latin American field be the only opportunity opened to Southern business men at the convention—there they will meet men from all parts of the United States, men from all parts of the world, and contacts and friendships may be formed that will prove of prodigious profit and pleasure. Opportunity will be given to Southern men to tell the visitors much about the South; on the other hand, the Southern men may learn of opportunities for markets for Southern goods in other sections.

This convention will afford a golden opportunity also for the South to form friendships which will cement it still more closely with the industrial, financial, business and social interests of all the civilized world.



## *A Triumph in Bolt Making!*

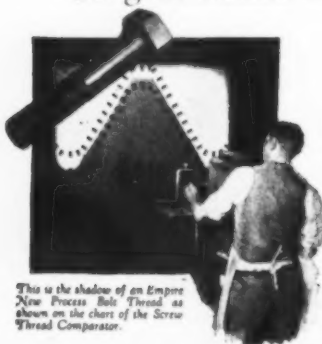
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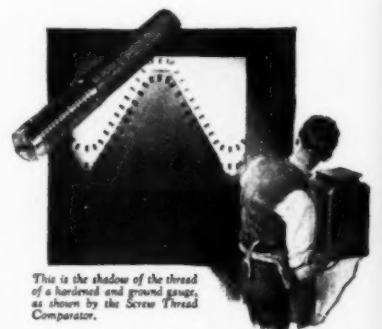


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# BOLTS

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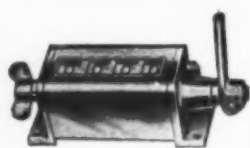
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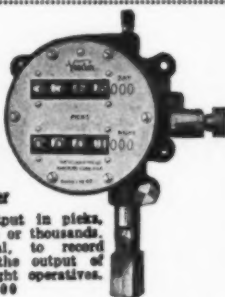
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# Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. XXIII No. 12 }  
Weekly. }

BALTIMORE, MARCH 22, 1928.

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## Epoch-Making Demand of Farmers and Former Free Trade Papers for Tariff Protection.

FLORIDA papers and Florida people generally, especially the fruit and vegetable growers, are pressing their campaign for a protective tariff on Florida products and joining in a nation-wide movement to that end.

The Times-Union of Jacksonville, heretofore bitterly opposed to a protective tariff, in an editorial "Why Higher Tariff Is Being Urged" points out that there are good and substantial reasons why Florida fruit and vegetable growers are urging Washington authorities to raise the rates of tariff on fruits and vegetables shipped from foreign countries. It even claims that the reasons advanced are not selfish and not for the sole benefit of the growers of the United States, but that the agricultural interests of the country are threatened by the importations of foreign-grown fruits and vegetables.

H. N. Rodenbaugh, vice-president of the Florida East Coast Railway, in advocating higher tariff rates on imported fruits and vegetables is quoted by the Times-Union as saying:

"A protective tariff on Florida fruits and vegetables will, then, be the subject for consideration by this conference today. The subject is not one solely for political contemplation. It is essentially an economic one. On its successful solution will depend the prosperity of many thousands of our fellow-citizens within the coming months. It will, in fact, affect the welfare of every citizen, every business, and every type of industry within the State, for the development of the soil and the profitable sale of its products are the fundamentals of national prosperity. If the problem is not wisely solved, not only will the farmer be seriously injured, but, as well, the merchant, the banker, our towns and cities, our public utilities, and the railways, that have spent so many millions to aid in the prosperity of the State, all will feel the blighting effects of the stunted growth of agriculture."

The same paper quotes William H. Marshall, a Florida grower, who pointed out that in 1922 less than 900 cars of vegetables were imported from Mexico, while in 1927 we took more than 6000 cars of Mexican vegetables. In 1922, said he, "the value of the Florida tomato crop to the growers was nearly \$14,000,000, and in 1927 less than \$3,000,000," which according to his statement lacked more than \$1,500,000 of paying the cost of production and harvesting due to these foreign importations.

In further discussing the subject Mr. Marshall said:

"It might interest you to know that right in our own Florida, cars of Mexican English peas were being dumped and that just the past season in Tampa, the market on English peas dropped from \$3.50 per hamper to \$1.50 per hamper in one day, as the result of dumping loads of Mexican products there. It might also interest you to know that one steamer from Cuba unloaded more than sixty cars of peppers in one day in New York. That is more peppers than New York can take at a fair market price in one day—twice more. Regardless of the enormous demands of the New York market, the

result of Florida supplies being offered to that market and the enormous cargo from Cuba also being offered, knocked the market \$2.50 a crate in one day. The market never recovered for the balance of the season. That was the cause of millions of dollars being lost on that commodity alone. The growing of eggplants has practically been eliminated in Florida. The past season there were less than 500 acres of this wonderful vegetable produced in Florida, and there would have been at least 3000 acres. Lima beans are practically unknown to the produce interests of Florida. Peppers, okra and English peas are gone. Mexico is marketing ten times more English peas than Florida is marketing. Florida might as well have thirty to fifty thousand acres of onions alone as to have practically none. This industry, as far as Florida is concerned, is carried on in Egypt and Spain. Thirty million dollars' worth of onions alone are imported from those countries each year. Cuba is fast becoming interested in the production of Irish potatoes and is only waiting for the growth of the industry for that to be taken from us as well, and if you take away the potatoes, allow Bermuda to take the celery, Cuba and other foreign countries to take tomatoes, peppers and eggplant, then will come our citrus and for the same reasons that they will have taken these items mentioned above, they will take anything else that we have."

Commenting on these statements, the Times-Union says the facts are of enormous significance to Florida and that increased importations of foreign-grown fruits and vegetables will not help to advance agriculture in Florida, but will be the means by which such possible advancement will be made impossible.

Lorenzo A. Wilson of Jacksonville, who has been appointed Florida chairman of the Southern Tariff Association, a national non-partisan protective organization with headquarters in Washington, is endeavoring to make a nation-wide movement of this matter. He is quoted also in the Times Union as saying:

"Tariff revision will soon be upon us and the only uncertainty is the time of revision and the rates that will be written into the measure.

"We will wage a vigorous campaign to arouse protective sentiment within the State and thereby endeavor to convince our Senators and Congressmen that they should work and vote for a protective tariff just as earnestly and conscientiously as do the protection Democratic members from Louisiana, Texas and other Southern States.

"The Southern Tariff Association is formulating a national committee on schedules from each industry. Quite a number of bills have been recently introduced in Congress giving relief to certain products but usually with a different set of rates. Numerous applications have been filed with the tariff commission for relief, which have partially, sectionally and inadequately represented the industry's needs in many instances. The national schedule committee of the Southern Tariff Association will afford facilities for a complete and comprehensive review of the tariff requirements of each and



every industry. These schedule committees will formulate a schedule of rates on their respective commodities and combined will form a general schedule on all products for presentation to Congress and all industries will be pledged to the support of the schedules of each commodity."

Florida industries accorded representation on the national schedule committee, says the Times-Union, are:

Winter vegetables, R. K. Thompson, Sarasota; citrus fruits, Victor B. Newton and J. C. Chase, Orlando; Sumatra tobacco, I. Gardner, Quincy; naval stores, Buckner Chipley, West Palm Beach, and C. F. Speh, Jacksonville; pecans, V. K. Miller, Monticello; nursery products, William H. Knoll, Tampa; Bayard F. Floyd, Davenport; vegetable and fish oils, W. A. Lerner, Port St. Joe; potatoes, J. L. Robinson, Hastings; Spanish moss, A. H. Selle, Gainesville; pineapples, James H. Williams, Fort Pierce; tomatoes, E. G. Sewell, R. R. Kerr, E. C. Gaunt, E. N. Webb, Miami, and D. F. McCrimmon, Coconut Grove; avocados and mangoes, Charles I. Brooks, Miami.

Other Florida industries that will be represented on the national schedules committee, concludes the Times-Union, "include livestock, sugar and cane, dairy products, poultry and eggs, sponges, peanuts, honey, strawberries, onions, cigars, fullers' earth, cement and all other agricultural, mineral and manufactured products of the State. An advisory committee of bankers, merchants, editors and other citizens not actually engaged in production but who are vitally concerned in the protection movement is now being selected, according to Mr. Wilson."

We quote thus freely from these statements—and many similar ones could be added—because they give some indication of a movement of tremendous importance to the entire country. For years the farmers have to a large extent been free traders, and the very papers in Florida which have been urgent in their fight against a protective tariff are now insistent in their demand for protection against importations which compete with the products of that State. Carried to its logical conclusion these papers must also demand a tariff on cement to protect the cement industry of Florida, and the farmers throughout the entire country who are eagerly working for a protective tariff on their crop output will be forced to realize that the only way they can secure adequate protection for the products of the farm will be by co-operating with other interests in securing a tariff on everything that needs protection against the low wages of other lands.

We hail this movement in Florida and among Southern farmers generally as epoch-making, for it means the breaking down to a large extent of that false theory so long existent and so persistently proclaimed by Southern politicians that the tariff is a curse to the country, whereas they are now learning that an adequate tariff is an unmeasured blessing to the nation. This change of front by some of the Florida papers and the activity of the growers in that State in working for a protective tariff on their products is certain to have a tremendous effect on the political activities of the Southern States in the coming years.

#### A GREAT NATIONAL PARK.

THE contribution by the Rockefeller interests of \$5,000,000 toward the proposed National Park in the mountains of North Carolina and Tennessee is a very remarkable bit of work. It is, we believe, the first great contribution of this kind which has been made by an individual or by any organization toward the establishment of national parks. Individuals have here and there made liberal contributions for city and State parks, but this immense contribution toward a national park in the Central South will command universal attention and center the interest of the entire country upon this gigantic proposition.

#### ACADEMIC ECONOMISTS AND BUSINESS FORECASTERS.

VIRGIL JORDAN, chief economist of the National Industrial Conference Board, in an address recently, took a fall out of what he classes as "academic economists, business forecasters and public officials" for "keeping the business community and the general public in a continuous state of idealistic intoxication, emotional excitement and intellectual bewilderment by their exaggerated and inflated interpretations of what has happened or what is about to happen to American business and industry. Their influence is particularly unfortunate at the present time when we are passing through a period of excessive caution and general uncertainty and lack of confidence in our business future." And to this he added that the public officials of the United States are moving unconsciously toward the Russian and Italian philosophy, and, further: "If this process continues, we shall awaken and find ourselves living in an economist's and statistician's paradise, where life is regulated by slide rule."

Good for Mr. Jordan. He has well stated the case. The would-be forecasters of everything, good or bad, the men who pose as being able by charts and diagrams to tell of everything that has happened and, therefore, to indicate what will happen, have command of public attention at present. It matters not that they make mistakes without end. Their predictions fail constantly, and yet they go on undisturbed by little things of that kind.

Moreover, the Government is undertaking to do everything that heretofore people have been supposed to be able to do for themselves. It undertakes to teach the prospective mother what she should do. It watches over the coming of the baby, it instructs the mother how to feed and nourish the child. It then decides when and how the child shall be permitted to work, and on through life the bureaucrats are trying to take possession of everything on the face of the earth that relates to human existence.

No wonder Mr. Jordan said these bureaucrats are rapidly heading us toward the methods of Russia, and of Italy under Mussolini. Well may the American people pray to be delivered from any enlargement of these activities.

#### NAME YOUR PLANT.

THROUGHOUT the South there are many enterprises, large and small, conspicuous and inconspicuous, which carry no identification mark on their premises as to who or what they are. The MANUFACTURERS RECORD previously has called attention to the desirability of this form of advertising, which so many business men have failed to appreciate. One may travel through any part of the South and see hundreds of plants and other business buildings which are nameless. Why not put a sign on your factory so it can be seen and tell what you are making, so that he who rides may read?

Under the heading "Permanent Advertising That Pays," the Georgia Manufacturers Association says:

"Nothing speaks louder for the progress of an industry or a community than well constructed buildings with the name of the manufacturers blazoned thereon in electric lights, so that passersby at night can see them and will know who you are and what you are. The Pepperell plant at Lindale, Ga., is a conspicuous example of this kind of advertising, and the Cannon plant at Kannapolis, N. C., is another."

Other sections of the country are beginning to awaken to the value of "advertising at home" and at one of the recent sessions of the Affiliated Technical Societies of Boston, New England manufacturers were urged by John A. Stevens to name their plants. Mr. Stevens said in part:

"I have been very much distressed in passing many times

the great textile mills of New England not to see any signs of any name or nature as to 'Who's Who' in the textile business. Motor up and down through New England—do 1000 miles a week—and about one factory in ten has a name or a sign on it. I am a great believer in signs on chimneys, electrical signs and publicity of every sort. Put the names of your beautiful factories on your mills and put them on so that they can be read more than ten feet away. Illuminate your signs by electricity at night.

"Use all means of nation-wide as well as local forms of advertising—similar to the advertisements of the railroads, automobiles, tobacco, oil and gasoline, soaps, foodstuffs and other great industries of America. Why have not these high-powered methods of advertising been used in the past 20 years for textiles as well as for other industries?"

And the Georgia Manufacturers Association, Atlanta, comes to this conclusion:

"You can't help your community without helping your own business with its particular commodity. It is permanent, helpful advertising and will work for you 24 hours a day. The first cost is practically the whole cost—with the minor power charges—if you have your own steam plant, the upkeep is reduced to a minimum. We hope more and more of our manufacturers will see the value and importance of identifying their plants."

Sound advice, indeed, which the MANUFACTURERS RECORD has offered before, and we hope that more and more Southern business organizations will take up the refrain. Don't be ashamed of your business home. Put your name on your plant so that it can be seen and tell about your products so that passersby, knowing your name through advertising, will have the feeling of meeting with old friends who have supplied their needs.

#### A SPECIAL SESSION COULD HAVE SAVED THE PRESENT MISSISSIPPI RIVER SITUATION.

THE position taken by the MANUFACTURERS RECORD early last summer for a special session of Congress to be devoted entirely to working out plans in regard to the Mississippi River situation, or to organizing a commission of civilian and Army engineers to formulate definite plans, has surely been justified by the present situation in Congress. Week after week time is being wasted, with increasing danger of other floods through the failure of Congress to do some definite work.

Many months could have been saved and much of the depression in the flooded districts could have been prevented if President Coolidge had called Congress into session last summer for consideration of this matter. The MANUFACTURERS RECORD was only one of the many forces united in trying to persuade the President to take this action, but politics or fear of the political situation seemed to make it impossible to secure such action. Now many projects are being submitted, with no present prospect of a decision by Congress worthy of the situation.

It has been almost universally recognized that this entire work should be done by the Federal Government, and that the States which for years have borne the brunt of this fight should be relieved from any financial responsibility, since they do not and cannot control in any way whatever the work that will be done by whatever commission may be appointed by Congress. They are asked to pay the bill, in part, without any voice in what is to be done. Had Congress been called in special session early last summer it might have been possible before this to have had the whole work under way, to the great benefit of the business interests of the entire country.

Every day of delay in putting this work under active construction covering the entire territory to be safeguarded is a day wasted, and every wasted day may be fraught with other tremendous losses from floods for which it is the duty of Congress to prepare.

#### ILLINOIS BANKERS FAVOR McNARY-HAUGEN BILL.

THE Illinois Bankers Association has published and is widely distributing a letter urging members of Congress to vote for the McNary-Haugen Farm Relief bill. In this statement of the Bankers Association emphasis is laid on the importance of agriculture to the country at large and strong commendation is given of the McNary-Haugen bill as it now stands.

The opening statement by Omar H. Wright, vice-president of the Illinois Bankers Association, states:

"At its mid-winter meeting the Illinois Bankers Association, through its executive council, has endorsed and recommended for passage the present McNary-Haugen Farm Relief bill, with but one dissenting vote. By instinct, training and experience, bankers are cautious and conservative. It was only after a full discussion and a definite appreciation of the seriousness of the present agricultural situation that this action was taken.

"Since 1920, when the bottom dropped out, bankers, trade organizations, manufacturers, railroad companies, business men, labor unions and civic societies have been indulging in all sorts of platitudes, 'viewing with alarm' and passing numberless resolutions calling for farm relief and a solution of the problem. Conditions, instead of improving, have grown worse steadily. \* \* \*

"We've been 'resolooting' till the cows come home and we haven't got anywhere. In the meantime, our hard-working, intelligent, honest, economical farmers are being crushed between the upper and nether millstones. Notwithstanding this fact, known to be a fact by every country banker in the farming districts and by the small town business man as well, big city and Eastern bankers and some important business executives, including our esteemed Secretary of Agriculture, are continually getting into the headlines of the newspapers with statements that farming conditions are showing substantial improvement. To drop into the vernacular, 'Where do they get that stuff?'

"It is always fine to be an optimist, but isn't it just a little bit finer to tell the truth?

"Recently our Secretary of Agriculture gave out an interview that was broadcast over the country, that the farmer's pre-war dollar was worth 92 cents. This statement, as applying to the dollars of at least 95 per cent of our farmers, is so ridiculous that had it come from a less responsible and important a source not the slightest attention would have been paid to it. Only today a young, bright, energetic farmer stopped at my desk and told me that about one year ago he marketed 43 hogs, for which he received over \$1,000. This week he shipped to market 42 hogs, each averaging less than five pounds difference in weight compared with his former shipment, for which he was paid less than \$600. Do results of this kind spell 'substantial improvement'?

"Columns might be written of individual specific cases coming to the personal attention of every country banker in Illinois having to do with farmers, of farmer after farmer losing his all, of farms foreclosed upon, farms deserted, of chattel mortgage sales, of judgments entered, of widespread sorrow, suffering and kindred ills.

"Isn't it about time that some real attempt be made to solve this serious situation?"

This is a remarkable statement to come from such an organization as the Illinois Bankers Association, for the bankers generally have been very slow to move in behalf of the interests of the farmers of the country. According to this statement, the farmers of the West are in much poorer financial shape than those of the South, judged by the reports we published last week, but Southern farmers, while seemingly in a better condition than those in the West, have had a long, hard row to hoe since 1920, and have not yet fully turned the corner.

The Illinois Bankers Association would have made its plea very much stronger if it had frankly admitted that the drastic deflation campaign of the Federal Reserve system in 1919 and 1920 had brought overwhelming poverty, mortgages and bankruptcy to the farmers of the whole country.



## TEXAS TOO MODEST.

LORING A. SCHULER, formerly editor of the Country Gentleman and now editor of the Ladies' Home Journal, after a visit last year to Texas, covering a large part of the State, came to the deliberate conclusion that the people of Texas are entirely too modest. He says they take things for granted, without undertaking to let the world know what they are really doing and what they really have. He interviewed quite a number of people, expecting to hear each one tell of some of the wonders of the State or the advantages of their respective, individual communities, but they were all very quiet and conservative, and apparently he worked in vain to find somebody who had the real boom spirit of other communities; for, Texas people, according to his view, are so modest that, whether it be talking about the greatest cattle ranch in America of 1,200,000 acres, or about individual towns, or the fight of Texas rangers to control the bootleggers on the dividing line between that State and Mexico, he found it as difficult apparently to get any of them to talk freely on these subjects as it was to get an American soldier who fought on the battlefields of France to talk much about his experiences over there.

Modest, modest was the dominating word running through a lengthy article by him in referring to Texas and Texas people. And then, closing, he outlined some of the things that he saw as possibilities of Texas, and added: "Some day, Texas will tell you about all of these things for herself—when she gets over being quite so modest."

There is a good deal of truth in Mr. Schuler's interview on the Texas situation. Many Texas people seem to take it for granted that as they know Texas and its boundless resources, so everybody else must, in their opinion, naturally know Texas. If Texas was on the Pacific Coast and had the booster spirit of the coast people, it would have to build a wire fence and guard it with soldiers to keep back some of that mighty host which would be rushing into Texas day and night. Soon there would hardly be standing room in Texas. If it was as ready to tell the world about itself and its climate, as are the California people, for instance. Put into Texas the real boosting spirit of California, and every paper in America would be filled with advertisements of the wonderful resources and opportunities of the State.

Texas does big things. It has big men, and they dare to do great things; but according to Mr. Schuler's idea they are too modest to tell the world all about what they have and what they are doing.

Some years ago, when Atlanta was known as the most boastful city in the South, and when it had created what was known as the "Atlanta spirit," which was the creative power that made that city what it is, the story goes that while a train was passing through Atlanta the stork visited a good woman in one of the drawing-rooms. Soon thereafter the conductor appeared at the door and asked the father to accept from him for the new baby a long tin horn. "What is this for?" said the father. "Why," said the conductor, "every baby that is born in Atlanta is immediately given a tin horn in order that it may blow about the possibilities of Atlanta and its rapid growth." At any rate, that spirit made Atlanta.

Texas is making wonderful cities without telling the world very much about them. In this it is making a mistake, if its people want to double and quadruple their population and make their State known world-wide for its progress and wealth.

The Atlantic Cotton Association, J. M. Gloer, Atlanta, secretary, will meet in annual convention at Montgomery, Ala., April 2 and 3.

## NORRIS RESOLUTION ON MUSCLE SHOALS A BREEDER OF ENDLESS CORRUPTION.

THE Norris resolution providing for Government operation of the power plant at Muscle Shoals has passed the Senate, and unless the House kills it, or the President vetoes it, the Government will be committed to a policy that will eventually lead to Federal ownership of all the electric power industry.

Users of power know the efforts that power companies make to attract industries to their territories and to keep their customers satisfied. Any man who has ever tried to secure satisfaction from the postoffice for losses incurred or delays in delivery knows the feeling that can only be described as running headlong against a stone wall. The futility of ever attempting to secure action or satisfaction from such a stupendous, nation-wide, bureaucratic service as the Federal power industry would be, would outclass that of attempting to secure satisfaction from the Postoffice Department. The arbitrary and unjust rulings on postal rates would soon be far outclassed by the arbitrary rates for so complex and highly technical a service as electric power.

The deadening effect of Federal bureaucracy on an industry so vital to all other industry, so virile, progressive and far-sighted as the power industry, would be appalling. The wire pulling, graft, pork barrel and every other sort of economic folly and corruption that would follow the taking over by the Government of power plants is already forecast by a clause in the Norris resolution, which sets up the utterly impossible proposition that the power from Muscle Shoals must be equitably distributed among the surrounding States. The golden apple of discord that resulted in the 10-year Trojan war and finally in the burning of Troy sinks into insignificance as a trouble-breeder by the side of that simple little clause. Can anybody conceive of a truly equitable distribution of power from Muscle Shoals to the surrounding States? What will be the basis of distribution? The amount of water each State contributes to the river? The length of river within each State? The present consumption of power in the State? The mineral riches demanding development? Or any combination of these, weighted by the lucky possession by one of the States of a favorable dam site?

And when the Government comes to build other power plants, will the power from them be "equitably distributed" likewise? Imagination staggers at the intricacies of the problems thus set up. In all earnestness and reverence we may say, "God deliver us from the hopeless snarl of corruption in which Senator Norris is endeavoring to tangle us."

## MANUFACTURERS HAVE PASSED SAVINGS ON TO BUYERS.

WILLIS L. KING, vice-president of the Jones & Laughlin Steel Corporation, Pittsburgh, Pa., in the course of a letter to the MANUFACTURERS RECORD writes:

"I have read the editorial, 'Producing Capacity and Marketing Methods of Steel,' with much interest, because of its clear analysis of the conditions in the steel industry. Manufacturers for several years have been passing on to the buyers all the savings made in operating costs, and sometimes more, and, as costs have reached the minimum, there must of necessity be an advance in prices, of which the recent market for common steel products gives indication."

THOMAS P. HENRY of Detroit, president of the American Automobile Association, in an address in Atlanta, estimated that during 1928, 5,750,000 people will take vacation motor tours in the South and will spend \$425,000,000. Mr. Henry stated that his estimate was based on detailed study of the figures for 1927 with an allowance of 10 per cent increase for this year.



## Argument for the Sale Tax Revived.

By WILLIAM C. CORNWELL, Economist for J. S. Bache & Co., New York.

Senator Smoot has again sounded the call to arms for the Sales Tax, as he did in 1921, when, as chairman of the Senate Finance Committee, a position which he still holds, he had his committee introduce a bill for the sales tax, which was defeated in the Senate by only eight votes. In a few words, in an interview which he recently gave

to the Washington Times, Senator Smoot has once more brought out in blazing relief the merits of this simple, just and painless method of taxation, which is being denied to the American people because of blind political prejudice.

As an argument in favor of this tax, Senator Smoot cited the present uncertainty over how much revenue will be raised next year by existing taxes. The dispute, he said, between Congress and the Treasury Department as to how much of a cut could be made in taxes, was another reason for adopting the sales tax. He predicted that ultimately it would be adopted, because of its simplicity and equality of application. He estimated that a 1 per cent sales tax, applicable on the ultimate consumer, would produce an annual revenue of at least \$1,600,000,000, which would allow all other taxes, except the tariff, to be repealed. It would apply to each individual in proportion to his purchasing power, thus scattering the Federal tax burden lightly upon the poor and heavily on the rich. He urged adoption of the sales tax as a means of ending all future disputes over taxation, and said:

"We must come to the sales tax, some day. It is so simple of application, and its application is fair to all classes. It has been said that the sales tax would transfer the tax burden to the backs of the poor, but that is nonsense. The rich will pay the heavier taxes, because the rich buy high-priced automobiles, diamonds, costly furs and huge homes. The rich will pay \$125 to \$200 for a suit of clothes, and the poor man pays but \$25 or \$50. In just that proportion, the rich would pay the heavier tax.

"Nobody can avoid this tax. It does away with hordes of Federal snoopers. It reduces the cost of collections. It eliminates costly law suits. Business can plan ahead for years, knowing exactly what tax it will have to pay. All uncertainty is eliminated. All confusion is ended.

"When a change in rate is desirable, there will be no need for redrafting the whole law. Only one word need be changed. Instead of saying 1 per cent, we can substitute three-quarters of 1 per cent, and the new rate is enacted. The sales tax is the most effective, the most just and the most equitable of all taxes. Its adoption here is only a question of time."

The individual income tax in this country has become so restricted in its application that it is now a class tax, instead of a general tax. Less than 10,000 taxpayers contribute half of the total income tax. Out of a total population of 114,000,000 people, there are only 2,500,000 individuals and about 250,000 corporations, with altogether 3,000,000 or more stockholders, who pay any income tax at all. The tax burden should be widely distributed and fair to everyone. Under the present system, it is being narrowed down, with more and more people escaping its levies, and business standing in the gap and bearing practically the whole burden.

If a general sales or turnover tax were adopted, all this would be remedied. Such a tax would be spread out over so vast a number of people that each would pay only a very little—the amount depending upon the large or small spendings of each—and the sum realized would be so vast that practically no other tax assessment, except the tariff, would be needed to run the Government. Nobody would feel any burden,

Senator Smoot's recent address in behalf of a sales tax in lieu of our present iniquitous Federal tax system has once more brought this question up for discussion. The following article by William C. Cornwell presents a very clear analysis of its advantages to the country—  
Editor MANUFACTURERS RECORD.

and, in fact, few would know that it was being paid, as the tax would be added to the cost of the thing bought and the addition would be infinitesimally small. The direct and indisputable levy in the sales tax system is in glaring contrast with the demoralizing complications of the Income Tax law.

Prof. Thomas S. Adams of Yale, formerly advisor of the Treasury Department on taxation, recently asserted that there are now more than 19,000 undecided cases before the board of tax appeals, and that these cases involved aggregate deficiencies of approximately \$550,000,000. He said that, at the rate petitions are being filed with the board, they exceeded by more than 200 the cases disposed of in a month. He said that this situation mainly was the product of a misplaced and legalistic idea, which led the Administrative authorities to pattern their tax work on the model of American court procedure.

"They have assumed," he said, "almost unconsciously, that there is in each tax case a precisely determinable legal liability, and that every disputed point to be decided rightly must be finally decided by the Supreme Court of the United States. In tens of thousands of cases there is no precisely determinable legal liability, and the income tax turns up new questions in such volume that no system of courts could ever possibly decide them." He characterized the present system as class legislation.

The simplicity, alone, of the sales tax commends it above all others. In the movement a few years ago to bring about the enactment of a sales tax, the public became fairly familiar with the methods of its operation, but it may be well to recite again the salient features.

There are three kinds of sales tax. The first is the tax on sales of goods, wares and merchandise. The second includes the above and adds also a tax on the amount received for professional services of all kinds. The third is the retail sales tax, which is a percentage tax added to the amount purchased by the ultimate consumer and is to be paid over to the Government by the retail merchant.

The simplest form of the tax is the one first mentioned. The plan proposed in the movement for a sales tax at the time referred to above, was about as follows: In order to place on the books of the Government the name of every dealer, each individual who made a business of selling goods would be required to obtain a Federal license at the negligible cost of \$1 per year. All merchants, corporations or individuals who make a business of selling goods, wares or merchandise, would be required to keep a record of gross sales and at the end of each month to send in to the collector of internal revenue a statement of the total amount sold, together with a check for 1 per cent of such amount. It was considered expedient to exempt a total of \$6000 in gross sales for the year, in order to favor the small farmer as a producer of agricultural products.

It will be noted that this is not a retail tax to be paid by the purchaser, like the former soda water tax. The public would never be annoyed by it, as the merchant would pay the tax direct to the Government once a month on his gross sales.

This is undoubtedly the simplest system of taxation ever devised, and yet in its best form it would probably produce in this country, with the present enormous amount of turn-

over of goods, some three to five billion dollars yearly and possibly more.

It asks the individual to divide up with the Government on what he spends, instead of demanding that he pay over a portion of what he makes. Government has nothing to do with what a man makes, provided he makes it honestly. Under our present system, the harder a man works, if he works successfully, the more the Government requires of him. This is putting a penalty upon thrift—upon enterprise, energy and brain power. Spending is a different matter, because Government makes the necessities, the comforts and the luxuries of life available under organized regulation. The individual who takes advantage of these possibilities of enjoyment should contribute to the expenses of the Government which makes them possible. The percentage, however, which he would pay under a 1 per cent sales tax is negligible.

A sales tax will not increase prices, except to a very small percentage, even when added in a number of operations—not more than an average of 2 to 3½ per cent. Present taxes are passed on to the consumer wherever possible, and in very much larger percentages; consequently, the general effect of this tax would be to actually reduce prices.

The sales tax is so simple that it could be easily computed and easily collected. The great clerical Government force and the services of experts to help the taxpayer cost the country every year a vast amount, running up into the hundreds of millions, a very large part of which would be saved. In fact, the simple computation required by the sales tax would be practically without cost. A record is kept of daily sales. Once a month these are added up, 1 per cent of the total is collected, and a check for the latter amount sent to the Government. This closes the record.

The sales tax is in successful operation in several countries, great and small. It has stood the test of many years. No country, having once adopted it, has ever abandoned it. With all its great advantages, it is bound eventually to sweep aside all political obstructions and to be adopted in the United States.

### Kansas City and Jackson County to Vote on \$31,000,000 Bonds.

Kansas City, Mo.—An election will be held in this city and Jackson county May 8 on bond issues aggregating \$31,000,000, the Kansas City issue totaling \$18,500,000 for the following improvements: Traffic ways, \$5,500,000; water department, \$3,000,000; airport, \$1,000,000; Blue River development, \$1,000,000; city hall, \$3,750,000; municipal auditorium, \$3,500,000; Swope Park, \$250,000, and municipal wharf, \$500,000. Jackson county will vote on a total of \$12,500,000 for roads, courthouses in Kansas City and Independence, and a county hospital.

### Webster Groves, Mo., to Get \$900,000 Apartment.

St. Louis, Mo.—M. E. Coggeshall of the Webster Groves Trust Company has an option on a tract of land in Webster Groves, on which the Laymer Realty Company, Arthur J. Widmer, president, plans to erect a \$900,000 apartment building, H-shaped, three stories, to contain 92 suites. The Widmer Engineering Company, St. Louis, designed the structure.

### Promoting \$1,000,000 Hotel at Galveston Beach.

J. E. Stratford, vice-president of the San Luis Hotel Company, Galveston, Texas, advises arrangements have been completed for erecting the \$1,000,000 San Luis Hotel on Galveston Beach, which has been leased to the Baker Corporation, San Antonio. Hedrick & Gottlieb, Inc., of Houston, are the architects.

### \$9,000,000 Bond Issue Proposed for Additional Water and Sewer Facilities at New Orleans.

New Orleans, La.—On April 17 the State electorate will vote on a constitutional amendment authorizing the city of New Orleans to issue \$9,000,000 of bonds for drainage, sewerage and water facilities, and to provide for the issuance of additional bonds in the future as they become necessary. Superintendent George E. Earl of the Sewerage and Water Board estimates that a total of \$65,000,000 will be required for the drainage, sewerage and water system by 1942. The initial \$9,000,000, probably to be expended in three years, will make it possible to bring the capacity of the purification plant to 112,000,000 gallons daily, at a cost of \$1,200,000. It will also provide for the installation of additional boilers in the central power station and an additional 10,000-kilowatt generator and other facilities, to cost \$900,000.

At a cost of \$1,700,000, increased drainage and pumping capacity will be provided, while improvements to the main drainage canal will cost \$1,650,000; sub-channel work, \$650,000, and local intercepting canals, \$1,000,000. Plans call for adequate drainage of 28,000 acres, comprising all inhabited built-up or partly built-up sections of the city. The New Orleans Association of Commerce through its Drainage Committee, A. M. Shaw, chairman, is conducting a State-wide publicity campaign for the bond issue.

### \$750,000 Building for Houston National Bank.

Structural work on the new \$750,000 building being erected at Houston, Texas, for the Houston National Bank has been completed, exterior masonry work is about 50 per cent complete and work on the interior has been started. The building is three stories and basement, 105 by 115 feet, of steel.



NATIONAL BANK BUILDING UNDER CONSTRUCTION.

concrete, terra cotta and Bedford stone, with granite base and rubber tile flooring. Hedrick & Gottlieb are the architects and Don Hall, general contractor, both of Houston. The following sub-contracts have been awarded:

**Electrical work**—Jacobe Brothers Electric Company, Houston.  
**Elevators**—Houston branch of Otis Elevator Company, New York.  
**Granite**—John Clark Company, Rockville, Minn.  
**Limestone**—Central Oolitic Limestone Company, Bloomington, Indiana.  
**Marble**—Northwestern Marble & Tile Company, Minneapolis.  
**Metal doors and ornamental bronze**—Art Metal Construction Company, Inc., Dallas.  
**Millwork**—Stevens Sash & Door Company, San Antonio.  
**Painting and decorating**—Jonas & Marks, Chicago.  
**Plastering**—W. E. Humphreys Company, Houston.  
**Plumbing, heating and ventilating**—George J. Robischung, Houston.  
**Steel windows**—Crittall Casement Window Company, Detroit.  
**Structural steel**—Houston Structural Steel Company.

### \$1,000,000 Kansas City Hospital Planned.

Kansas City, Mo.—The Jewish Memorial Hospital Association, Alexander Rothenberg, president, is having plans prepared by Schmidt, Garden & Erikson of Chicago for a \$1,000,000 hospital.



# American Mining Congress Holds Important Meeting at Gulfport.

[Special Correspondence Manufacturers Record.]

Gulfport, Miss., March 17.

The three-day industrial development conference of the Southern Division of the American Mining Congress held here this week was attended by 200 registered members of the congress, every one a leader in his particular field. It was hailed by all present as the most enthusiastic, inspiring and constructive yet held by this division of the mining congress. The diversity of industries, each represented by an executive of outstanding prominence and recognized ability, showed not only a wide field of activity but an earnest devotion to the industrial development of the South.

"Business should not be restrained by legislative hobbles or bureaucratic commissions from which there is no appeal," declared J. G. Bradley of Dundon, W. Va., president of the American Mining Congress, and of the Elk River Coal and Lumber Company. Mr. Bradley pointed out that present laws are not equipped to deal promptly and effectively with errors in business. "The business transgressor should be promptly, speedily and severely punished," said Mr. Bradley. "The individual who does wrong should be convicted. Our liberties should be maintained and the people allowed to continue to enjoy the rewards of honest business leadership and initiative."

"The Government cannot extend ownership, operation or control to industries without sinking the ship of State," declared George H. Bailey, counsel of the Mining Congress. Referring to the necessity for organized development of Southern resources, Mr. Bailey said:

"While this industrial development is going on, see to it that the gates of individual opportunity are kept open. Do not allow legislative shackles to be placed on individual effort or community co-operation. The Government never made a success of any business and from the nature of its structure, it never can succeed in business. Individual initiative is the greatest dynamic power in the country. Industrial development may be paralyzed and destroyed by legislative restrictions, Government paternalism or destructive taxation. The hope of profits has ever been the magnet to draw men to explore for ore, and the great mines of the country are the fulfillment of that hope, based on the guarantee of the Govern-

ment that every citizen would be protected in what he found."

"The South is forging to the front two, three or four times as rapidly as any other section," said Craig B. Hazlewood, vice-president of the American Bankers Association, and of the Union Trust Company of Chicago. "It has the greatest future of any section. It is an agricultural empire and a rapidly developing industrial empire. It is the future pulpwood and paper center of the continent. One-third of our foreign commerce passes through Southern ports. Southern farms produce half of our commercial trucking crops. The South has more cotton spindles than New England. Its savings deposits have increased 800 per cent, while those of the country as a whole have increased only 350 per cent, and its individual bank deposits have increased 960 per cent, while those of the country have advanced 580 per cent."

Mr. Hazlewood stated that the South has two-thirds of 84 mineral products and leads the other States in 41 of these products. The coal reserves of the South were said by Mr. Hazlewood to be double those of Europe, including Russia. The South produces one-third of the world's crude oil. He stated that the mineral resources of the South are accessible and well located with respect to joint use, water power and transportation and capable of economical year-round operation.

"Without wealth, comfort and luxury are impossible; without the use of minerals wealth is seldom or never created," said J. F. Callbreath, secretary of the congress. "The glorious growth of the South has been and will be in proportion to its mineral development. It is the mission of the American Mining Congress to help you in the development of your long neglected mineral wealth and to thus create home markets for your farm products. The mineral wealth of the world lies dormant and worthless until it is taken from the place of its origin and forced into the markets of the world. The gold of Colorado was there from the beginning of time, but it remained for a Georgian named Gregory to call the attention of the world to these riches which with the gold production of other Western States made possible the stable financial structure upon which our industrial progress is based."

## A Plea for Tariff Protection for Agriculture and Industry Alike.

At the request of Dr. Henry Mace Payne, secretary of the Southern Division of the American Mining Congress, the editor of the MANUFACTURERS RECORD who could not attend the meeting sent a letter expressing some views on certain problems. By unanimous vote it was requested that this letter be published in the MANUFACTURERS RECORD. It follows, in part:

"The Nation is at last awakening to the reality of what some of us, yourself included, have for many years been saying about the almost limitless resources and advantages of this section, and its predestined future as one of the great industrial and agricultural sections of the world. When it is remembered that three-fifths of the entire coast line of continental United States is in the South, that this section comprises one-third of the total land area of the United States, and that no part of it is subject to the bitter rigors of Northern and Western winters, which add to the cost of agriculture and of business generally, and that there are no vast stretches of arid and semi-arid lands, as in parts of the West, but that practically the entire area of this one-third of the Nation's land is suitable for the widest diversity of agriculture, we can gain some conception of its potentialities in that respect.

"I do not hesitate to say that the land area of the South is

capable, under wise diversification of farming and intensive cultivation, of producing a much greater agricultural wealth than that of the entire country at present. The South is already furnishing about \$500,000,000 worth of foodstuffs in the shape of fruits and vegetables and cottonseed products to feed other parts of the land. From Florida alone there goes out through the six months of the shipping season an average of about 2000 carloads of fruits and vegetables daily, adding to the comfort and the health of millions of people in the North and West who can now enjoy the blessings of fresh vegetables in the winter season.

"From many other parts of the South, all the way from Virginia to Brownsville, Texas, similar conditions of fruit and vegetable production for Northern and Western markets are making marked progress. In some of these sections the farmers are becoming lenders of money, instead of being borrowers.

"Diversification of agriculture is one of the marked signs of the times throughout the South. Bankers, merchants, manufacturers, as well as farmers, are concentrating their thought on the development of teaching diversified farming generally, to an extent never before known in this section. The whole spirit of agriculture is undergoing a great revolution, to the good of the South and to the ultimate good of the Nation.

"But the growers of these early vegetables and citrus fruits



are beginning to realize that they need a protective tariff against the inroads of such products grown with the cheap labor of competing regions. There is now developing throughout the South a demand by hundreds of thousands of farmers for an adequate protective tariff to safeguard the peanut industry, the soya bean industry, tomatoes and citrus fruits and other products. Thus the farmers as a whole are beginning to realize as never before the value of a protective tariff. Coincident with this is the growing spirit among industrial leaders to make their voice heard in and out of Congress in a demand for a protective tariff through which to build up larger manufacturing interests and thus protect the workman and guarantee to him higher wages than those of any other country on earth.

"A few years ago I heard Charles Perrin, a distinguished American engineer, who is the manager of a great steel plant in India, at a meeting of the American Iron and Steel Institute, say that he was employing in his plant in India about 8000 workmen whose daily wages, including the pay of skilled labor, was between 7 cents and 8 cents a day. This country knows full well what it means for the iron and steel makers of America to compete with wages of 7 cents and 8 cents a day. We are learning, and learning only too rapidly, by reason of the heavy imports of cement and iron and steel from Europe, that this means either a decrease in American wages or an increase in the American tariff to protect us against the low wages of Europe, where wages are hardly more than one-fifth, in many cases, of wages in similar industries in America. Every dollar that we send abroad for goods which could be produced at home means a dollar lost to American interests, to labor, to merchants, to manufacturers, to bankers, to farmers. To the extent that governmental activities in the building of highways or other work import cement or iron or steel, or other foreign products, to that extent is the progress and prosperity of America lessened.

"I would plead, therefore, for a protective tariff on such things as cement which are not now protected by a tariff, and for a higher tariff on many things which are not adequately protected; and would urge the people of the South especially to realize that their broadest prosperity can only be attained through a tariff to safeguard every industrial and mineral resource, and agriculture as well. America can do no greater good for the world, in my opinion, than to hold aloft the banner of high wages, with the increasing productive power which comes about through this stimulation, and thus stir the people of other countries to demand higher wages, and gradually to win better wages and a chance of better living.

"Low wages are not cheap wages. In the long run, high wages are the lowest, measured by the cost of production and the profit which comes to the country from the increased consuming power of the men who earn high wages. Indeed, the progress of the South has in many cases been retarded by the old idea, which has come down from slavery days, that low wages would be an advantage to this section. The white man has to some extent been compelled to compete with the low wages that were paid to negroes, and the result has been that hundreds of thousands of Southern people have moved from this section into other parts of the land, where higher pay gave them a chance for better living conditions.

"There are many mineral resources in the South, the utilization of which would add to the employment of people and the creation of wealth, if they could be developed; but which, by reason of free trade, or a low tariff, must remain idle in the ground, valueless to their owners and to the country at large.

"As a people, we have too long worshipped at the shrine of free trade. We have thought of it as a political doctrine which the South must forever swallow, instead of realizing that the tariff is purely an economic measure and should be dealt with from that point of view only. In early days, a protective tariff was advocated by leaders in the Democratic party. Let us get back to the spirit which, regardless of political parties, will enable the South to demand a protective tariff for all of its resources—mineral, industrial and agricultural.

"Some years ago a leading business man representing many of the great hardware industries of New England predicted to me that the time would come when New England would prefer free trade rather than to see the South fully developed under a protective tariff; for, said he, New England manufacturers would rather compete with the world than compete with the industries of the South fully developed, based on the extent of its raw materials.

"I do not believe that the people of New England as a whole take so narrow a viewpoint; for, every one must realize that a protective tariff is essential to their best interests.

But the South needs a tariff more than any other part of the country, as its industries are comparatively new, they have not accumulated large surplus capital as have the industries of other sections and, therefore, they need to build on a solid foundation of protection in order that they may accumulate wealth which may enable them in the years to come to meet the world's competition to better advantage than they could possibly do at present.

"Let me add just a few more words, to the effect that many Southern politicians and some Southern papers have bitterly denounced believers in a protective tariff as 'tariff barons' and 'tariff hogs' and by other unpleasant names. No man likes to move from another section, where a protective tariff is favored, into a region where, if he carries his protective tariff views, he is criticized in such language as I have quoted. I am quite sure that this kind of denunciation on the part of many Southern politicians and many Southern papers has deterred many thousands of men from establishing themselves in the South, and thus has done irreparable harm to this section.

"It is now understood that diversification of agriculture is the only sure road to agricultural prosperity. Diversity in industry is equally important. But diversity in mental activity is even more important, because, as has been well said, it is only by attrition of mind upon mind that the highest mental achievements are accomplished."

### Geological Survey of Marion County, Florida.

Warren T. White, General Industrial Agent, Seaboard Air Line Railway, Norfolk, Va., announces that the industrial department of that railroad has completed a geological survey of Marion county, Florida. The mineral and soil resources have been investigated and studied with the view of determining what resources could be used to advantage in industrial enterprises for that section of Florida. The survey was made by Dr. F. H. H. Calhoun, consulting geologist for the Seaboard. Some of the principal materials tabulated include limestone, fuller's earth, sand, gravel, cement materials, kaolin, diatomaceous earth, chert and hard rock phosphate.

### Pennsylvania's Plans for Baltimore Improvements Ready Soon.

The Pennsylvania Railroad's plans for its projected improvements in the Baltimore district will be ready soon for submission to city officials, according to an announcement by George M. Smith, superintendent of the Baltimore division. As previously outlined, the Pennsylvania's plan involves the expenditure of about \$22,500,000 for a wide variety of improvements.

### 70,200-Horsepower Project on Roanoke River.

Richmond, Va.—The Roanoke River Power Company, of this city, has applied to the Federal Power Commission for authority to build a dam and reservoir on the Roanoke River at Bugg's Island, estimated to develop 70,200 horsepower. A transmission line is planned from the proposed hydro-electric plant to the lines of the Appalachian Power Company of Bluefield, W. Va., with which the Roanoke River Power Company is said to be allied.

### \$800,000 Hotel Announced for St. Petersburg.

St. Petersburg, Fla.—The construction of an \$800,000 hotel here for undisclosed interests has been announced by H. E. Wendell, who is associated with Henry Kohler in the preparation of preliminary plans for a 13-story structure to cover an area of 18,400 square feet. It will be of the twin tower type, with steel frame, brick walls and terra cotta trim. There will be 430 guest rooms.

## Southern Capacity for Achievement.

OLD SPANISH TRAIL A REMARKABLE RECORD OF CONSTRUCTION FROM FLORIDA TO CALIFORNIA—TOTAL COST \$70,000,000.

By FORD FOSTER.

The Old Spanish Trail is open as an all-year, all-weather highway from St. Augustine, Fla., through the old Spanish cities of Pensacola, Mobile, New Orleans, San Antonio, El Paso, Las Cruces and Tucson to San Diego, Cal. It threads the Gulf of Mexico country and the lands of the Mexican border and opens new playground area across from Florida to California. But it has required \$70,000,000 to open this highway to uninterrupted travel. Financing and engineering problems not paralleled on any other national trunk line were conquered. Two-thirds of the drainage waters of the North American continent flow into the Gulf of Mexico and rivers have been bridged near the Gulf where the flood waters are high and menacing and bays are miles wide. Plains, deserts and mountains in the West added to the problems.

In the past the Spanish *conquistadores* roamed this Southern region and left behind relics of romantic explorations and established many interesting settlements. The faithful *padres* built their missions and established their *rancherios* and their communal industries so far from their homelands that men today, looking back, marvel at the faith and ability that carried them so far. Something of that matchless spirit lives again in that Southern borderland country and in the past decade it held groups of men and women to tasks scattered across the continent. They were separated from one another by untravelable areas but today they are linked together by a great trunk line, and the American people have now opened to them a new world.

So formidable was the problem that as late as 1922 highway officials did not recognize the project as practical and the local financing was beyond the dreams of people born

and bred to limited areas. Today the records show \$32,000,000 spent and a paved highway nearly complete on that sector from New Orleans to St. Augustine, a distance of 662 miles.

Harral Ayres, the Old Spanish Trail managing director, studied all the country through which the highway was to be built, studied it as a railroad organization would study territory into which it would extend. He found the costs of construction discouraging compared with the apparent capacity of the people to finance, but he also found a country rich in great seaports, in agricultural possibilities, in playground and recreational opportunities; a land that was the last and greatest frontier on the continent for homeseeking, settlement and investment. So it was resolved the Old Spanish Trail must be battled across the barriers of the East. He established eastern headquarters at Mobile, Ala., and in March, 1922, a Four-State Conference was called at Mobile to plan the construction from New Orleans to Pensacola. Prompt construction across that sector was necessary if the projected Old Spanish Trail was to be made the Southern national travelway from sea to sea. Seven years had passed since the Old Spanish Trail had been planned on paper. In a straight line the distance from New Orleans to Pensacola is 200 miles, but in that short distance were Mobile Bay nine miles wide; the Pascagoula River basin, Biloxi Bay and the Bay of St. Louis in Mississippi involving seven miles more of difficult construction; east of New Orleans in Louisiana were 15 miles of more difficulties over the Pearl River delta and Lake Pontchartrain. The Mississippi Gulf Coast, Biloxi to Gulfport and Pass Christian, was also a problem; Gulf storms would eat out big sections



MOBILE RIVER SPAN OF 11-MILE COCHRANE BRIDGE ACROSS MOBILE BAY.





SHOWING TRESTLE APPROACH TO BRIDGE ACROSS THE SABINE RIVER.

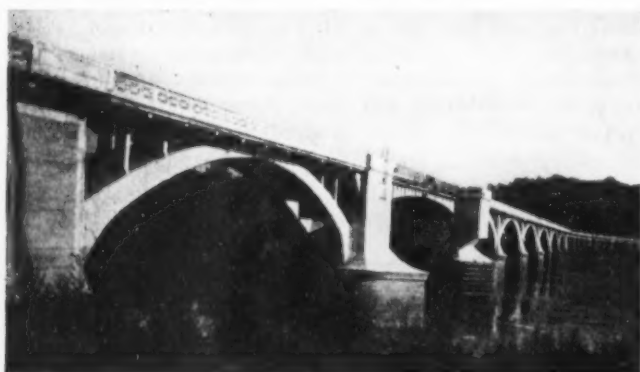
of the 22-mile shore road; before trunk line construction could be considered a seawall must be built. Here were 53 miles of extraordinary problems and costs in one sector of 200 miles. Elsewhere between the two seas the Old Spanish Trail project had other big problems and each section was waiting to see what the others would do. This was in 1922.

Between New Orleans and Pensacola the gulf, the bays, rivers and estuaries were enticing factors and that group of gulf cities were potentially rich in the things men need or enjoyed, but the same waterways prevented inter-community communications or automobile connection with the

nanced and rapidly progressing; meanwhile, with roadbeds completed, except for a short stretch of mileage, fine driving now prevails.

Florida has completed twelve bridges at a cost of over \$3,000,000. No highway in the United States offers safer or prettier driving than this 440 miles across Florida. Those delightful North Florida cities and towns are now enjoying the favor of contented travel after years of isolation; investment and development are spreading over that land.

Mobile's people financed the \$2,500,000 bridge when finally awakened to the value of the great travelway and the city now promises to become a focal-point of important feeders to



APALACHICOLA RIVER BRIDGE BETWEEN QUINCY AND MARIANNA, FLA.



APPROACH TO APALACHICOLA BRIDGE, SHOWING FLOOD WATERS.

outside world. Moreover this sector, potentially rich as it was, embraced orphan sections of the four states of Louisiana, Mississippi, Alabama and Florida and thus was divided politically and industrially and co-ordination of effort had never been effected nor official recognition secured.

That Mobile Four-State Conference showed the sturdy timber of which Southern people are made. In their hearts they said with St. Peter "Silver and gold have we none but such as we have we give unto thee" and they went forth to conquer. The \$2,500,000 Cochrane Bridge across Mobile Bay has been built, and pavement reaches from Mobile west to Bay St. Louis, Miss. Bridges over the Pascagoula River and the Bay of St. Louis in Mississippi, and across Lake Pontchartrain near New Orleans, were recently completed at a cost of \$6,000,000. The average cost per mile across Mississippi will be \$65,000; across Alabama \$90,000; across Florida \$40,000. Not a ferry remains between New Orleans and St. Augustine. All the highway except one county in Alabama, one in Mississippi and one in Louisiana will be first-class pavement before the end of 1928—all this is fi-

this Southern trunk line. It celebrated the dawn of the new day by asking the State to develop its port and now Mobile Bay is becoming the Port of Alabama with \$10,000,000 being invested in modern facilities. Mobile County is climaxing these achievements by voting \$4,500,000 for paved roads.

Nothing in the South so completely illustrates the new order as this renaissance of Mobile since the Four-State Conference of 1922, when the thought was put over that that country was entitled to its place in the sun by right of natural resources and the capacity to achieve.

Along the Mississippi Gulf Coast another epic is being written. Seawalls, bridges and boulevards are the contribution of the cities of Biloxi, Gulfport, Pass Christian and Bay of St. Louis to the Old Spanish Trail. In 1922 the people of that section urged OST officials to approve the plans then in mind to build a nine-foot concrete road. Today, as the result of the greater plans, that coast claims \$60,000,000 of new investments.

Over in New Orleans those people are preparing to become the key tourist city of the Southern borderlands. Tens of



millions of dollars are going into developments, boulevards, buildings and industries. In 1922 Louisiana State officials could not participate in the Mobile conference and involve the State in the baffling problems incident to the crossing of Lake Pontchartrain and the miles of delta east of New Orleans, but New Orleans people attended and said solutions would be found. Since then the Louisiana Highway Commission has opened roads and bridges that eliminate 34 miles of ferry and now it is building bridges and planning boulevard construction eastward to match the great works across Mississippi, Alabama and Florida. The longest bridge in the country was recently opened across Lake Pontchartrain, 16.4 miles long, including approaches; it cost \$5,500,000.

It is hard to say which of the projects along the Old Spanish Trail between New Orleans and St. Augustine is the greatest. Taken together they are opening one of the most alluring sections of the United States to travel and settlement; they are transforming cities old in legend and story into modern cities teeming with industry, commerce and travel. The Pontchartrain Bridge is the last great link to be welded and one of the most costly and interesting. It is not only the forerunner of the opened highways from the North to New Orleans but it will leave but two waterways open between the Atlantic and the Pacific on the Old Spanish Trail—the Mississippi River (a bridge over which appears to be now financed for \$10,000,000) and Berwick Bay at Morgan City, La., the other major outlet of continental waters to the Gulf. This structure was described in the MANUFACTURERS RECORD of February 16.

Probably no great project in the South so completely shows the capacity of its people for achievement or the remarkable things of which the South is capable as this Old Spanish Trail work of the past few years, for these achievements were dependent upon steady public and civic co-operation, not upon private enterprise and concentrated capital. Public highway development depends upon the co-operation of many cities, counties, states and the Nation and the acquisition of funds in the face of many obstacles.

Westward through the "Sugar bowl of Louisiana" the OST wends its way along bayous and through fascinating scenes characteristic of the Old South, through the Evangeline

country, near the great salt mines and the great wild life sanctuaries along the Gulf, over into the rice country and to the great Sabine River bridge opened last November. Louisiana's roads are open in all directions; the territory reflects the oft-made remark that the Old Spanish Trail is a highway of eternal change and variety. No trace of the flood remains in Louisiana along this highway.

The Sabine River bridge between Orange, Texas and Lake Charles, La., is three and one-half miles long and including approaches cost \$1,000,000. The river there in flood seasons is miles wide for weeks at a time.

East Texas has been a mud and barrier section for years. The nation's travelers long since learned to avoid all South Texas because of the grief experienced along that East Texas corridor on account of the many rivers to be crossed. But the nation's travelers must now be told how these people have risen to great achievement and how travelers now sweep across East Texas on concrete pavement and great bridges and how all South Texas is another opened world, alive with homeseekers and investors.

It is costing \$7,000,000 to cross 140 miles of that East Texas land and its rivers. A major portion has been completed; the remainder is financed and under way, meanwhile motor traffic passing in comfort. Moreover, paving will be largely completed across to San Antonio and beyond during 1928. San Antonio, like Houston, Beaumont, New Orleans, the Mississippi Coast towns and Mobile, is basking in the sunlight of the new era.

Nothing like this construction conquest has been witnessed on any national highway. The millions of dollars that have been marshaled in the past half dozen years are not realized by many people. The barriers that for many years kept the Old Spanish Trail as a national highway officially non-existent and then for more years kept the growing project broken into a hundred parts are all now reduced to travel comfort. The central organization at San Antonio that has held these groups of men to the work and has furnished the inspiration to overcome every obstacle has accomplished a miracle. The people of the various localities that have battled through the bitter years and conquered have proven their faith in themselves and their country and have shown



NECHES RIVER BRIDGE AT BEAUMONT, TEXAS—NEARLY ONE MILE LONG.

that the South has men and means to build the richest empire on the American continent.

At San Antonio the West begins and from San Antonio to San Diego 31 per cent of the highway is paved and most of the remainder is a standard and fast driving roadbed. The desert road across New Mexico is now a memory; new gravel prevails from Las Cruces to the Arizona line. In Arizona the old Gillespie Dam water crossing is now but a picture from the new \$330,000 bridge. The Sand Hills of California and the old boardwalk are replaced with a modern asphaltic concrete road and the Mountain Springs grade on the way to San Diego now has a concrete surface with carefully planned curves, the pride of California engineers.

New hotels represent tens of millions of new capital. High buildings are changing the sky line. Hydro-electric power is threading the land. Oil fields, pipe lines and industries, like the genie of the Arabian Nights, change the land overnight. Natural gas lines are reaching out their tentacles to serve an empire. Winter Garden districts to feed the frozen North in winter are producing crops and the crop reports read like fairy tales. Near New Orleans the strawberry district has a \$5,000,000 annual crop.

Farmers are settling faster than men can realize—live stock, poultry, dairying, winter truck and winter berries, oranges, grapefruit and cotton, irrigation, sunshine and fertility. The gold the Spaniards could not see is now being refined in the crucibles of industry by another race of men.

The conception of the Old Spanish Trail as a Southern national trunk line was formulated at Mobile in 1915 by some 419 delegates from New Orleans, the Mississippi Gulf Coast, Mobile and Florida. The hope then was that somehow the waterways and physical barriers could be crossed and a short highway opened from New Orleans to Jacksonville. Four years passed with no headway, then in 1919 headquarters were transferred to San Antonio, and San Antonio was asked to lay the project across the continent. At that time no recognized road lay across Texas. By 1922 the highway seemed assured from New Orleans to California, but from New Orleans to St. Augustine the problems were depressing. Two pictures, however, had focused on the vision of some Southern leaders—first, that the construction of this trunk line would open to settlement and to national travel the potentially rich Southern borderland country and all the South would benefit as travel was drawn down to it. Second, the centuries of Spanish conquests and development gave to these Southern borderlands rare and appealing history, relics and legends and made the whole land from Florida to California rich in tourist appeal. St. Augustine, Pensacola, Mobile, New Orleans, San Antonio, El Paso, Santa Fe, Tucson and San Diego have always and always will have a warm place in the hearts of the travelers, and over all those cities the Spanish flag has floated. The charm of that age that produced Columbus, Cortez, Balboa, De Soto, Coronado, Ponce de Leon, Magellan, Pizarro, Cabrillo, Oñate, Galvez and others of the *conquistadores* rests upon those cities. Greater works were done by the *padres* and their missions tell a wondrous story in the five mission districts of St. Augustine and North Florida; San Antonio and East Texas; Santa Fe and El Paso; Nogales and Tucson in Arizona; San Diego and the California coast.

Perhaps the greatest chapter in the construction of the Old Spanish Trail was written when Harral Ayres, the managing director, transferred his work to Washington in the summer of 1922 and there with Senators, Congressmen, cabinet officials and high Government officers framed the Washington Declaration that stated this highway was a basic necessity and should be built at once. It was this that released millions in appropriations and that lifted the project from a dream to one of national importance. The

end is not yet. A new chapter is being written. The highway is open with \$70,000,000 of completed work; the era of further development is safely in the hands of the highway departments.

The historical marking is soon to begin. Artists and sculptors of national renown are working on the monumental sign to be installed. The richly colored designs of the banners and shields of the conquerors have been dug from the dusty archives. Along the highway, and in the lobbies of the hotels and in business offices will be displayed the artists' conception emblematic of the glorious days of Old Spain.

Plans of the women's department of beautification include wayside parks, Old Spanish Trail inns, county and state line monuments, improved gateways and fences, ornamental approaches to cities and towns, removal of roadside advertising, tree planting, and, because it is the land of sunshine and flowers, a careful distribution of flowering plants, shrubs and seeds.

### New York-Atlanta Airway Lighted.

Completion of the lighting of the New York-Atlanta airway by 78 rotating beacon lights has made possible the opening of that route for night flying after April 1. The lights are spaced 10 miles apart for the entire distance, 19 being located at intermediate fields, with the usual boundary lights, illuminated wind cones and obstruction markings where required. Two-course lights, flashing a dot and dash characteristic based on mileage, in synchronism with the revolving beacon, have been installed.

Of 19 additional cities considering the establishment of municipal airports, nine are in the South, as follows: Ocala, Fla.; Waycross, Ga.; Baton Rouge, La.; Hagerstown, Md.; Knoxville, Tenn.; Fort Stockton, Texas; Newport News, Va.; Farmville, Va., and Martinsburg, Va.

### \$45,000,000 for 1928 Improvements on Santa Fe System.

The Atchison, Topeka and Santa Fe Railway System will expend more than \$45,000,000 for enlarging and improving its facilities in 1928, according to an announcement by W. P. Storey, president. Orders have been placed for 3850 new freight cars, 75 all-steel passenger cars and 771 miles of new steel rails, of which 490 miles will be 110-pound and the remainder 90-pound. When the new rails are laid the Santa Fe will have 2180 miles of 110-pound rail, all laid since January, 1925. Orders have been placed for bridges, ties have been purchased, and work on more second track and other improvements is in progress.

### American Exports and Imports.

Exports from the United States for February of this year are reported by the Department of Commerce at \$373,000,000, or about \$500,000 more than in February, 1927, while imports were \$353,000,000, or about \$42,000,000 more than February of last year. The excess of American exports over imports for February was \$20,000,000, while in February, 1927, it was \$61,561,000. For the seven months ended February 29, exports exceeded imports by \$92,864,000, while in the same period of the previous year the excess was \$124,122,000.

### Bids on \$500,000 Construction at Fort Bragg.

Fort Bragg, N. C.—Bids will be received April 2 by the Constructing Quartermaster here for erecting artillery battalion barracks, six company officers' quarters, seven non-commissioned officers' quarters and utilities at cost of approximately \$500,000.



## How an Alabama Community Found the Road to Prosperity.

By JACK R. HORNADAY.

Because it contains a far-seeing and patriotic banker, a vigorous and intelligent agricultural agent and some really progressive farmers, an Alabama community has in a few years developed an annual "sideline" income that has already exceeded a hundred thousand dollars and seems destined to pass within this decade the million-dollar mark.

In the latter part of 1922 two dirt farmers, O. E. Smith and J. W. Walker, came to Guntersville, Ala., from East Tennessee and brought with them an idea. They told F. B. Albert, president of the First National Bank of Guntersville, and Eric Alsobrook, the county agricultural agent, about this idea, and as a result the farmers of the community are more than \$150,000 richer and have extremely good prospects of developing a million-dollar "sideline," to say nothing of the fact that the idea is spreading to nearby communities with the promise of great benefit to agriculture of the entire section.

Marshall county, in which Guntersville is located, had never produced any real "money crop" except cotton. Smith and Walker were experienced strawberry growers and they could see no reason for discontinuing their annual contribution to the shortcakes of the nation. However, no strawberries had ever before been produced by the Guntersville section, and to them it appeared a rather hopeless undertaking to market the small crops they themselves could raise. Nevertheless, they went to the First National Bank and talked the matter over with Banker Albert. Here they found a sympathetic and interested listener. County Agent Alsobrook was called into the conference, and he, too, was told how the farmers of a few communities in Tennessee were raising strawberries and marketing them jointly. He and Mr. Albert, both impressed with the idea, took a trip to Tennessee.

At Dayton, Tenn., they had found that it was practicable to market strawberries through an association of farmers, and they returned to Guntersville with high hopes of a new "money crop." But here their troubles began. No strawberries had ever been grown in the community and the farmers were not quick to fall in with the idea. But the men were not discouraged. Mr. Albert told the farmers that if they would plant the berries, he would finance them. This inducement, together with the two men's strenuous promotion work, finally resulted in the organization of the Marshall County Strawberry and Produce Association, and 25 farmers planted 60 acres in strawberries. Most of this acreage had been idle, for the strawberry plants could be planted on the side of a hill where the "wash" made it impossible to grow most other crops.

The first eight cars of strawberries shipped from Guntersville brought the community approximately \$12,000, which it otherwise would not have had. The next year, despite the lack of a paid organizer or promoter, a little growth was

There is one infallible formula by which towns in the South may multiply their prosperity. That formula does not start with efforts to attract enterprises from elsewhere, but lays a foundation broad and deep for such endeavor. Whether the chief advantages of a given locality be agricultural or industrial, the logical starting point is their development by local capital, brains and energy, on a scale commensurate therewith. Besides the profits coming directly from such modest undertakings, their success demonstrates far more effectively than any industrial survey or any sales effort the advantages of the locality; and outside capital, always timid, is eager to follow such leadership. Let any community prove its advantages by developing them, and outside capital will be easy to attract. There are hundreds of towns in the South that offer opportunities for initiative and leadership, such as that shown at Guntersville, in development of resources agricultural or industrial, or both.—Editor MANUFACTURERS RECORD.

shown and 10 carloads were shipped, bringing \$18,000 to the community.

In 1926 the association, beginning to see the future in their undertaking, offered inducements to F. O. Keller, a man of long experience in strawberry marketing, to come to Guntersville and take charge of the association. The effective work of the new manager is readily discernible when it is seen that in 1927 the strawberry output of the community was 88 cars, selling for approximately \$110,000. An even greater gain in production is expected from the 1928 crop. Crates for 250 carloads have been ordered and 850 acres are planted in strawberries now as against 350 acres last year. The number of farmers participating

has increased from the original 25 to 300 in 1928.

The Guntersville section has proven particularly adaptable to strawberry growing. Except for Cullman, Ala., Guntersville is declared to be the earliest shipping point for what is probably the most favored of all strawberries, the Aroma.

Reference has been made to the spreading to other communities of the co-operative strawberry marketing idea. The association at Guntersville has encouraged the farmers of two nearby communities to go into production, with the result that in the Boaz community of the same county, farmers this year have planted 125 acres in strawberries. Plants were furnished by the Marshall county association. The expense of maintaining the association is relatively small. In 1927 the pro-rata assessment was only 15 cents a crate with selling prices running from \$2 to \$6 a crate. The Guntersville berries are shipped as far as Pittsburgh and Detroit and extension of the market to Canada, New York and Boston is contemplated as soon as express service is available.

Until Mr. Keller's arrival Mr. Albert worked diligently with the association, handling the selling and general business affairs. His labor has been one of love, for he has never received or asked for any remuneration. He is still working with the association, assisting in every possible way.

Learning the feasibility of developing and marketing new money crops, the Guntersville farmers cast about for a new line of endeavor. They chose potatoes. Until 1927 Marshall county had only grown potatoes for its own consumption, with the single exception of a one-car shipment to market in 1926. The members of the association were induced to plant a hundred acres in potatoes and last year 14 cars were shipped, bringing a return of \$15,000. The potato idea has taken hold so well that Mr. Alsobrook expects a shipment of 100 carloads this spring, and believes the second crop next fall will be as good. If these expectations are fulfilled, the new money crop should bring approximately \$140,000 into the community before the end of the present year.

Mr. Alsobrook is particularly optimistic about the future of their potato business. He points out that the soil and climate are especially adaptable to potato growing. In the



past, however, there has existed the problem of getting the fall crop sprouted. Last year the correct chemical was put into use and it was found that the dormancy of the potatoes was overcome and that they sprouted very well. Mr. Alsobrook said: "There is no reason why Guntersville should not in a few years be furnishing the Southern cities with their red potatoes. I think we have a wonderful opportunity in this endeavor and I do not think it is too optimistic to expect a million-dollar potato crop by 1930. Add to this the half-million dollar strawberry crop which we should have by that time and you can see what the association is meaning and will mean to the farmers of this community."

While a few sweet potatoes have been shipped by the association, the Triumph Irish potato is the bulk of the crop.

Not content with the two new sources of income, the association members last year set out 15,000 young cherry trees. These will begin to bear during the third year. The association sees no reason why the cherries should not prove successful, but its members are not deceiving themselves as to the task they have undertaken. They know it will take some good, hard, straight thinking and work to put it over.

This year the association plans to set out apple trees. One farmer, Leroy Smith, expects to put in 12 acres of apples. The apples and the cherries will be marketed by the association as are the strawberries and potatoes.

As an illustration of the benefits derived from the association by its members, O. E. Smith, one of the two farmers who brought the idea to Guntersville, had a gross income of \$5600 in 1925 from five acres of strawberries alone. In this connection it is interesting to learn that the Guntersville berries, because of closer inspection and superior packing, bring a higher price in the market than the average. This is attributed to Mr. Keller's long experience in grading and shipping berries.

The three men whose work has made possible the success of the enterprise were all raised on farms. Mr. Albert lived as a boy on a farm in Virginia, coming to Guntersville 11 years ago. Mr. Alsobrook was a farm boy in Chambers county, Alabama. He came to Guntersville six years ago. Only recently he was awarded second prize among the farm agents of the United States for his accomplishments in greatly increasing the cotton yield of his county. Mr. Keller, who has been in the strawberry business 19 years, was raised on a farm near Bowling Green, Ky.

The day the writer drove to Guntersville to talk with Mr. Albert and his associates about their work was a busy one in the little town. Everybody was engaged in selling and buying stock in a new cotton mill they were hoping to bring to Guntersville. Finally, as it began to get dark, Mr. Albert came into his office in the handsome new First National Bank Building, a modern three-story structure that would do credit to a town ten times as large as Guntersville.

"The greatest problem in co-operative marketing," said Mr. Albert in an interview with the writer, "generally is the co-operative part of it. The big thing is to keep the fellows pulling together. Lack of co-operation shoots the market to pieces. So far we have had no difficulty in this respect, and we believe we will continue to have fair sailing because we have an unusually intelligent group of men in our organization and they realize the vital importance of thorough co-operation."

"Is it true," he was asked, "that you have worked these years promoting and handling the business of this association without remuneration?"

"Yes, it is true, if you look at it in that direct dollars-and-cents light," he replied, "but if you approach it from another angle, you will see that I have been remunerated. Take, for instance, the Alabama Power Company. That company is moving heaven and earth to help bring new industries to

Alabama. It gets no pay for its efforts, but when they are successful, it will make the State as a whole more prosperous and better to live in. So indirectly the Alabama Power Company and all other citizens of Alabama will benefit from the work the company is doing now. I hope that I have done something to make this county more prosperous and livable. If I have, then my business and my family will share in the improvement. In that way I am compensated for what little I have done, to say nothing of the real pleasure it has afforded me to be of some service to my community."

### \$750,000 Plaza Hotel at Corpus Christi.

Construction is under way on the proposed Plaza Hotel at Corpus Christi, Texas, for which general contract was awarded to the McKenzie Construction Company, San Antonio. The hotel is being erected for Smith Brothers Properties, Inc., S. Master Nixon and associates, and will cost about \$750,000. It will occupy a lot 118 by 88 feet, will be 14



PLAZA HOTEL NOW UNDER CONSTRUCTION.

stories, of reinforced concrete construction, with brick exterior and cast stone trim, reinforced concrete spread footings for foundation and tar and gravel roof. Adams & Adams are the architects and W. E. Simpson & Co., Inc., engineers, both of San Antonio.

### \$461,500 Bid on Fort Benning Buildings.

Fort Benning, Ga.—The lowest bid, at \$461,500, for the construction of ward buildings Nos. 1 and 2 and sections F and G of the Cuartel Barracks at this garrison, has been submitted to the Constructing Quartermaster by the A. J. Krebs Company of Atlanta. Contract will be formally awarded by the Office of the Quartermaster General, Washington.

### \$1,000,000 Hotel Announced for Fort Worth.

Fort Worth, Texas.—C. A. O'Keefe announces plans for a \$1,000,000 300-room hotel, Main and Fifth streets. It will be 100 by 100 feet, 15 or 16 stories, and will occupy the site of the former Rialto Theater.

## Baltimore Completes \$2,000,000 Municipal Office Building.

The new \$2,000,000 municipal office building and annex, directly across the street from the City Hall, is a distinctive unit of Baltimore's civic center building program. Plans for the building were prepared by William H. Emory, Jr., and general contract awarded in November, 1926, to J. Henry Miller, Inc., of Baltimore, on a bid of \$1,498,000. In order to



\$2,000,000 MUNICIPAL OFFICE BUILDING AT BALTIMORE.

conform with rulings of the Committee on the Civic Center, cornice heights, color and exterior design of the new building were carefully considered. Classic architecture was employed and Indiana limestone used for the exterior. The primary consideration of the interior design has been to secure such a lay-out of office space as will best meet requirements for conducting municipal activities.

The structure is entirely fireproof, of steel frame and reinforced concrete floor slab construction for the first and second floors, and of gypsum for the upper floors. Ornamental treatment of the interior is limited to the first floor, where marble wainscoting, floors and counters, bronze cages, Caen stone walls and ornamental plaster cornices and ceilings are used. The basement will be utilized as a garage to house

passenger automobiles owned by the city, while the first floor will be occupied by several bureaus and departments. The second floor will be used by the Appeal Tax Court and the billing and accounting division of the Bureau of Receipts, while the third floor will be occupied by the Chief Engineer and Bureaus of Highways, Sewers and Mechanical-Electrical Service. The Bureaus of Street Cleaning, Plans and Surveys, and Transportation will use the fourth floor, with the entire fifth floor given over to the Bureau of Water Supply. The sixth floor has been left unassigned and will be used at first for conferences. The Health Department will use the seventh, eighth, ninth and tenth floors and a part of the top story; the Bureau of Standards will occupy the eleventh and twelfth floors.

All partitions are of metal and glass, with the exception of corridor partitions and partitions separating various bureaus. They are expected to afford perfect transfusion of light throughout the building and will be so constructed that they may be moved without changing any permanent construction. A pneumatic tube system will be installed for conveying inter-departmental correspondence and a tunnel under Lexington street will connect the building with the City Hall.

Henry Massart is the structural engineer; the G. E. Painter Company, mechanical engineer, and J. W. Easter, elevator engineer, all of Baltimore.

Sub-contracts on the building included the following:

**Bronze**—Newman Manufacturing Company, Cincinnati, Ohio.  
**Casement windows**—Richey, Browne & Donald, Maspeth, Flushing, N. Y.  
**Caulking**—Sterling Products Company, Cleveland, Ohio.  
**Concrete piles**—Baltimore branch of Raymond Concrete Pile Company, New York.  
**Dumb waiters**—Chelsea Elevator Company, New York.  
**Elevators**—Baltimore branch of Otis Elevator Company, New York.  
**Granite**—Perry Brothers Granite Company, Concord, N. H.  
**Gypsum floor and roof**—Baltimore branch of U. S. Gypsum Company, Chicago.  
**Limestone**—Bedford Cut Stone Company, Bedford, Ind.  
**Marble work**—Vermont Marble Company, Philadelphia, Pa.  
**Reinforcing steel, steel sash and metal lath**—Baltimore branch of Truscon Steel Company, Youngstown, Ohio.  
**Scaffolding**—Patent Scaffolding Company, New York.  
**Setting reinforcing steel**—E. J. Whalen Steel Construction Company, Louisville, Ky.  
**Skylights**—American 3-way Luxfer Prism Company, Cicero, Ill.  
**Sprinkler and stand pipe**—Baltimore branch of Grinnell Company, Inc., Providence, R. I.  
**Structural steel**—McClintic-Marshall Company, Pittsburgh, Pa.  
**Tile and terrazzo**—Columbia Mosaic & Tile Company, Washington, D. C.  
**Vault doors**—York Safe and Lock Company, York, Pa.

### \$4,500,000 Budget for M-K-T in 1928.

H. E. McGee, vice-president and general manager of the Missouri-Kansas-Texas Railroad, with headquarters at Dallas, has announced that the company will spend approximately \$4,500,000 for improvements this year. More than \$1,000,000 will be expended for improving the present equipment and over \$3,500,000 will be put in improvement of roadway and structures, it is said. Laying new rail and ballasting will probably call for the largest expenditures, \$769,346 being provided for rail laying and \$432,700 for ballasting. A total of \$758,125 will be expended for improving bridges and trestles, \$303,050 for line and grade revisions and \$227,393 for shop machinery and tools.

### Chicago Firm Building Cheese Plants in Mississippi.

R. E. Johnston, secretary of the Chamber of Commerce, Columbus, Miss., advises that construction is progressing on two cheese plants in Lowndes county, for A. H. Barber & Co., Chicago—one at Billups and the other at Columbus. The former, with a capacity of 20,000 pounds of milk per day, has practically been completed, the building having been constructed by Badger & Badger of Columbus; electrical instal-

lation by the Doughty Electric Company and steam pipe fitting by the F. M. Jacobs Machine and Foundry Company, both of Columbus.

The Columbus plant, with an initial daily capacity of 50,000 pounds of milk and an ultimate capacity of 200,000 pounds, is being constructed by D. S. McClanahan & Son, Columbus. Electrical and pipe fitting contracts have not been awarded. Milk-handling equipment for both plants is being supplied by the A. H. Barber-Goodhue Company, Chicago, while construction is under the supervision of L. T. Wells, local manager.

### Three Chemical Factory Units for Celluloid Corporation.

General contract has been awarded the Hughes-Foulkrod Company, Philadelphia, for the construction of three chemical factory units at Amcelle, Md., near Cumberland, for the Celluloid Corporation, a recently acquired subsidiary of the Celanese Corporation of America, New York, which is expending about \$5,000,000 for the expansion of its big artificial silk plant at Amcelle. The chemical plant will be used for the production of cellulose acetate, construction to be of steel and tile. Arthur J. Fitch is works manager at Amcelle for the Celanese Corporation.



## Industrial Advance of Sherman, Texas.

ITS MANUFACTURED PRODUCTS SHIPPED LAST YEAR TO EVERY STATE IN THE UNION, AND TO 24 FOREIGN COUNTRIES.

By WELLINGTON BRINK, Texas Power and Light Company.

The march of Sherman, Texas, not a march to the sea—is making its advance industrially in orderly cadence, and its forward going is that of the well oiled, smoothly running Machine Age. Already this clean, sprightly city of the Southwest has achieved high place in Texas as a home of factories and a developer of Lone Star resources. On a per capita basis, industrial Sherman wears a champion's belt.

Smokestacks?—grime and grit? That is not the Sherman conception of progress. Sherman, profiting by the sad experiences of older cities, is keeping itself groomed. Sherman is accustomed to inhaling the atmosphere of Texas and will not permit its air to become burdened with soot and smoke. It

disposal, and there are 54 of them. I gave a hurried once-over to its wholesale houses, and they number 32. Through its shaded and flowered college campuses I rode, and there are in Sherman three or four outstanding institutions of higher education.

I wonder how many folks even in Texas know that in this up-and-coming little city is to be found one of the largest garment factories in the South, employing 600 workers. As I listened to the zing of cutting instruments, the hum of shuttles and the swift whirl of other machinery, I seemed to be hearing an overture that will grow in volume as the new Texas is developed by industry.

The C. L. Pool interests I found engaged in making riding habits for the young ladies of Texas, work shirts and overalls for the farmers and riveters, socks and other articles for the men of both town and country. I was impressed with the high type of young women engaged in these factories, and was told that pleasant working conditions and good pay had robbed stenography of many of its best local prospects. No labor disputes arise from employees such as these.

Sherman also spins. Sixty-five hundred bales of Texas cotton—the cotton recognized by textile mills the world over as without superior—are consumed yearly by the Sherman Manufacturing Company, which makes ducking. Grayson county, notwithstanding its diversity of crops, ranks sixth in agricultural values in Texas and produces from 30,000 to 80,000 bales of cotton annually. I was struck by the beauty of the mill grounds, the attention given to lawns and shrubbery, the modernity of the building and equipment. Here, thought I, is one of the forerunners of the great Texas-bound textile industry of tomorrow.

Speaking of shrubbery and verdant grounds reminds me of a great nursery at Sherman, which is said to be the largest nursery south and west of St. Louis. It employs 175 gardeners, clerks, laborers and botanical experts. Perhaps its presence partly explains the beautification of Sherman homes, schools, churches, parks and streets. Texas is becoming famed for its nurseries, and is rapidly taking advantage of its rich soils to make Nature more beautiful and life more of an inspiration.

Then, I came to the Washington Iron Works, which sup-



HOTEL GRAYSON, SHERMAN.

is proud of its homes and churches, its schools and colleges, as well as of its mills and workshops. Sherman not only is a good place to make a living, it also is a good place in which to live.

Geographically, transportationally, agriculturally, industrially, biologically, Sherman is free to keep moving ahead. There are no brakes whatever. It has the people and the enterprise, the rail lines and the power lines, the climate and the climbing ability. Recently I did my best to give Sherman a thorough inspection, but time did not permit. Nevertheless, I saw as many of its factories as I could in the time at my



PLANT OF THE INTERSTATE COTTON-OIL REFINING COMPANY.



plies customers as far away as South Dakota, Illinois, Ohio, New York, Florida and California with a repair service seldom to be had elsewhere. Its pride is the restoration of damaged engine parts too ponderous for other plants to handle. Huge crankshafts are sometimes shipped from long distances, the freight charges topping expenses of repair. Many tons of steel pass in and out of these works. Jess Totten and Harry Totten of the firm pointed out the many pieces of special equipment—the electric welders and lathes and hoists—in use. Engineers of special training and experience are in charge. Incidentally, many of the castings for the Hardwicke-Etter Company, across the way, are made by the Washington Iron Works.

This Hardwicke-Etter concern, where I talked with John Streun, an inventor and executive of positive genius, is well spread out on both sides of a street. It produces machinery for cleaning cotton and for expediting other important processes of preparing the fiber for use. Of gins, by the way, Sherman has three, and there are a number of others in the county, all equipped in up-to-date fashion and helping Sherman in its march of progress.

Many a housewife who is unfamiliar with Sherman uses Mrs. Tucker's Shortening or Mrs. Tucker's Salad Oil nearly every day, and remarks upon its clarity, its fluffy whiteness and its efficacy in the fine art of cookery. If this housewife were to visit the Interstate Cotton Oil Refining Company in Sherman, she would come away enthusiastic in praise of the ingenious methods and uniform sanitation of this large plant. A. G. Hopkins, manager, and E. A. Bellis, chemist, helped to illuminate the many processes of refining, of preparing and of packaging these two famous products. Into the refining process enter Texas carbon black and Texas fuller's earth. Into the housewife's cakes and cookies goes cotton oil bearing the vitamins from rich Texas soils and the stored energies of Texas sunshine and rain. After the refining, the chilling and the aerating, Mrs. Tucker's Shortening is swished into rows of cans marching with the precision of West Point Cadets beneath well trained nozzles which dexterously give each container its full portion and not an ounce more. Other machines place the lids on the cans and a gravity conveyor carries the boxes or crates to trucks waiting outside.

This same Interstate Cotton Oil Refining Company is providing an outlet for Grayson county milk and giving North Texas dairying a boost by fostering the Meadlake Milk Products Company. This plant was recently opened and is now in the business of condensing cream and producing powdered milk. It promises to mean much by way of example in Texas; for the State is generally believed to be

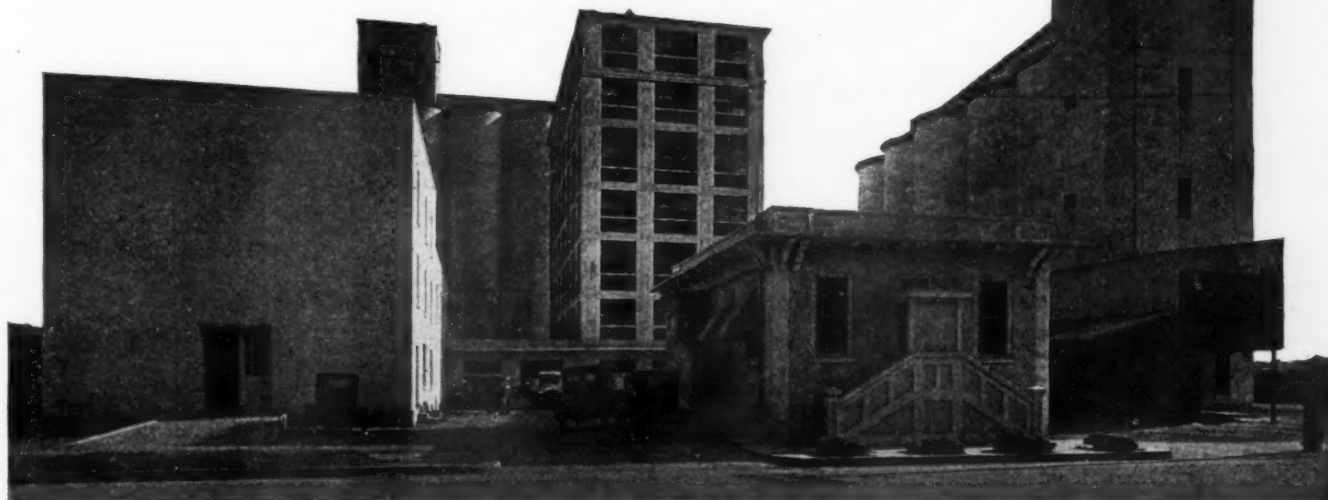
on the verge of adding a dairying industry to its numerous pillars of prosperity.

Sherman, I inferred, is not averse to thrusting infant industries into the world. It is unafraid to strike out along new lines. But its progression is by logical steps. For instance,



FANT MILLING COMPANY, SHERMAN.

some months ago, pencils and paper got busy figuring Sherman's use of pasteboard boxes and finding out how many came into the town empty and went out filled with locally made products. The totals were amazing, and the immediate result was the establishment of the Day Manufacturing Company. Luther A. Day told me that in the nine or ten months of the concern's existence the monthly production of boxes has passed the 60,000 mark. I watched cutters, pasters and other machines turning out with speed boxes of many shapes and sizes, and pondered on their far-spread destinations. Sherman manufactures go to the far corners of the United States. Already there is a demand for Sherman made boxes in El Paso, Muskogee, Monroe, Amarillo and many points between. Corrugated boxes probably will be the next



THE G. B. R. SMITH MILLING COMPANY.

step in production. Among the most conspicuous of the Sherman landmarks are the four great elevators which proclaim the town as a leader in flour milling. The daily milling capacity is said to be 34 carloads of flour, meal and feeds.

There are ice and refrigeration plants; there are candy factories making more than 300 favorites of every such sweet; there is a compress with a capacity of 50,000 bales of cotton annually and storage space for 6500 bales at a time. There are good banks, and live newspapers. But the roll is long, and to attempt to enumerate the many worth-while enterprises of this place of 20,000 souls would make this article too long.

One must note, however, that last year, Sherman shipped its manufactures to every State in the Union and to 24 foreign countries. These shipments went out over six important steam and electric railroads, or by truck over hard-surfaced highways. Grayson county, one may note, is launching upon a road improvement program which will involve expenditure of \$4,500,000.

Power to meet every demand is Sherman's. Electric current is supplied from a number of the plants of the Texas Power and Light Company system, at industrial rates comparable with the lowest to be found in the South Atlantic States and other fast-developing industrial sections of the country.

Greatest of all Sherman products—and the most carefully prepared—are its boys and girls, its young men and young women. Kidd-Key College, Carr-Burdette College and Austin College are celebrated in Southern circles of education, and St. Joseph's Academy also contributes to the educational facilities of this remarkable city.

Sherman is a great little city today. And it will be a greater and larger city tomorrow. Sherman is typical of the new Texas, which is soon to attain a leadership in many forms of industry comparable with the leadership it has long exercised in the important realm of agriculture.

### Substantial Growth in San Antonio.

During the first 60 days of 1928 nine new factories were located in San Antonio, according to C. C. Leel, industrial secretary of the San Antonio Chamber of Commerce and Manufacturers' Association. These are: O'Connor Brothers, mosaic floor tile; Harlandale Ice Company, newly organized; Republic Box Company of Texas, branch factory, a concern which has been manufacturing wire-bound boxes for some years; Vendope Manufacturing Company, special woodworking machinery, metal signs, etc.; this concern also operates factories at Wichita Falls, Texas, McAlester, Okla., and other cities. Magnolia Gas Products Company, oxygen gas, will build a \$100,000 plant immediately; this concern operates twenty factories throughout Louisiana and Texas for the manufacture of oxygen and also cottonseed oil products; the San Antonio Tanning Company, organized by San Antonio residents, capital \$100,000; Southwell Company, map, blue, brown and white print manufacturing business, and two others whose names are not yet to be disclosed.

The industrial department is now also in correspondence with approximately a dozen other manufacturing institutions in various States which contemplate removing their plants or erecting branch factories in the South. In January and February many letters and personal requests for information on industrial matters were handled.

Figures compiled by the research department of the New Orleans Association of Commerce show that 316,266 carloads of freight were received and 247,777 carloads were shipped at the port of New Orleans during the calendar year 1927, a total of 564,043 carloads in and out during the year. Through freight by rail is not included.

### Senate Committee Plans Thorough Investigation of Alleged Cotton Manipulation.

Washington, March 17—[Special.]—In the Senate's investigation of alleged manipulations of the New York Cotton Exchange, Senator Ellison D. Smith of South Carolina, chairman of the sub-committee of the Senate Committee on Agriculture and Forestry making the investigation, is now taking evidence under oath, and permitting cross-examination, to see if the truth of charges of monopoly and price-depression for the benefit of one or two large companies, at the expense of the farmer, can be rooted out. The sub-committee also decided to have the reported 185,000 to 200,000 bales of cotton held in New York, allegedly for the purpose of depressing the market, reclassified to see whether or not it is spinnable and tenderable.

Arthur W. Palmer, chief of the Department of Agriculture division of cotton marketing, said that such reclassification is made only when the buyer demands it, or when some group interested makes the request. Both he and Lloyd S. Tenny, chief of the bureau of agricultural economics, maintained that the department's system of classification is accurate and dependable, but Mr. Tenny said that they had found some of their cotton classifiers too strict, and had instructed them not to "do their work overstrictly."

A large part of the past week's testimony consisted of the defense of William L. Clayton of Houston, Texas, of the firm of Anderson, Clayton & Co., against a charge that he had at a loss transported a large amount of unfit cotton to New York to depress the market, and a countercharge made by Arthur R. Marsh of New York city, former president of the New York Cotton Exchange. Mr. Clayton said that his firm has in New York some 172,000 bales of cotton, but denied that it is untenderable, or that he has used it to depress the market. He expressed a willingness to have the Department of Agriculture make a re-examination and recertification of the cotton.

The chief trouble with the New York Cotton Exchange, Mr. Clayton said, is that the futures contract does not provide for Southern deliveries of cotton, and added:

"The correction of this evil lies in rewriting the contract so that the places for delivery will be normal points of storage and passage for cotton, such as New Orleans, Houston, Galveston, Savannah and Norfolk, instead of New York. It is strange that some people will seek to prove that New York is a spot market and a natural storage place for cotton. The Federal Trade Commission found to the contrary. Under the Smith-Lever Act, the Department of Agriculture is required to designate the spot markets where sufficient spot business is transacted to warrant the use of their quotations in the fixing of differences between grades. These designated spot markets are: New Orleans, Galveston, Houston, Dallas, Little Rock, Memphis, Montgomery, Savannah, Augusta and Norfolk. New York has never been so designated."

Mr. Clayton asserted that his firm's removal of 172,000 bales of cotton to New York aided rather than hindered the producer's sale of his cotton, and declared that his firm could have no interest in bringing about a decline in prices.

The committee plans to go as thoroughly as possible into the whole question of the marketing of cotton on the New York Exchange.

### \$2,000,000 Sears-Roebuck Stores for St. Louis.

St. Louis, Mo.—Sites have been purchased here by Sears, Roebuck & Co., Chicago, for two retail department stores to cost \$2,000,000. One building will have a frontage of 261 feet on Kingshighway south of Easton avenue, and the other 200 feet on Grand Boulevard at Winnebago street, both to be three stories and basement. George Nimmons & Co., Chicago, are the architects.



## \$5,000,000 Paper Plant Completed in Arkansas.

### COMPANY NOW REFORESTING BIG ACREAGE TO INSURE PERPETUAL TIMBER SUPPLY.

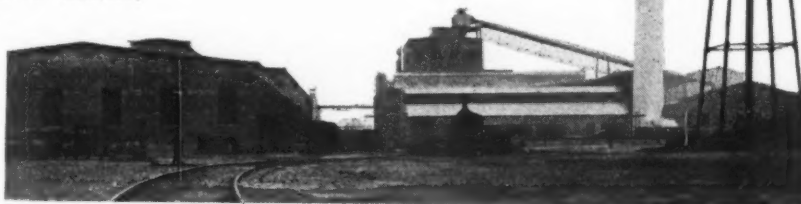
By TOM SHIRAS, Mountain Home, Ark.

The manufacture of paper was added to Arkansas' numerous industries early in February, when the Southern-International Paper Company put into operation in Ouachita County its mammoth new plant at Cullendale, a suburb of Camden, Ark. The starting of this splendid plant was an epoch in the industrial life of Arkansas, and people from all over the State were present when the first big roll of kraft paper came from the machine. The paper mill proper will house two machines. The pulp mill was completed and put into operation in December. This is the third plant of the Southern-International Paper Company in the South, the other two being located at Bastrop, La.

The new plant at Cullendale was built by the company under the supervision of its staff of engineers and paper makers. Less than a year ago the ground on which it now stands was a bare field. Construction work actually started on the plant March 7, 1927. From that day until it was put into operation the builders were ahead of their program. The rapidity and smoothness with which the building plans were executed is due in a large measure to the efforts of W. W. Henderson, local manager and construction engineer of the plant, and his able assistants. To R. J. Cullens, vice-president of the company, who had the management of the entire building program, is due the credit for Arkansas' largest industrial plant, and one of the finest and most modern paper mills in the United States.

The plant really consists of two mills under one roof, the pulp mill, in which the wood is reduced to pulp, and the paper mill, which converts this pulp into kraft paper. The

room Manitowoc equipment is used throughout. The Beloit Iron Works, of Beloit, Wis., furnished the paper-



GENERAL VIEW OF THE NEW PLANT.

making equipment. The plant, with its general offices, wood yards and other departments occupies 160 acres of ground. The total investment is approximately \$5,000,000 and the daily production estimated at 175 tons.

Kraft paper in all the commercial weights and sizes will be manufactured. Second growth pine, which abounds in the southern part of the State, is used in its manufacture. In years past the large pine growth native to that section has been converted into lumber, and the small stuff now going into pulp wood is the result of natural reforestation. Mill requirements call for 400 cords a day. In order to insure sufficient raw material the company has purchased a large acreage of this cutover land that is covered with the small pine growth. It is said that the holdings are sufficient to perpetuate a supply, by reforestation, to meet the company's needs for many years to come.

The demands of the plant for materials which enter into the manufacture of paper has stimulated other industries in the State. All the lime they use in pulp making comes from North Arkansas. It runs annually into thousands of barrels. A considerable amount of the coal used is mined in Western Arkansas, and the gas used under the four 1,000-horsepower boilers, which furnish steam for pulp making, comes from Arkansas' gas and oil fields. The electricity used to drive the entire plant is furnished by the Arkansas Light and Power Company.

When the plant gets into full operation it will give employment to approximately 500 men.

Cullendale, site of the new paper mill, was named after R. J. Cullens, vice-president of the Southern International Paper Company. It is located about two miles from the business section of Camden. Camden, adjacent to the Eldorado and Smackover oil fields, has shown a steady growth during the last seven or eight years. It now has a population of approximately 10,000 and is one of the leading towns in the southern part of the State. The Missouri Pacific, the Cotton Belt and Rock Island railroads all run through it, and it has water transportation to the Gulf, via the Ouachita and Mississippi rivers, with regular boat service. It also has natural gas, and is served by the Arkansas Light and Power Company's lines. Because of these advantages, and the large resources in timber, ceramic clays and lignite, it is becoming one of the important industrial centers of Southern Arkansas.

The probabilities are that the new paper mill will not be the only plant of its kind to be erected in that part of the State. Luther Ellison, secretary of the Camden Chamber of



THE OFFICE BUILDING.

equipment in the pulp mill consists of Zarembo evaporators; American Welding Company's stationery digesters; Casey-Hedges defusers and boilers; Sandy Continuous Filter Company's docker, and Rogers wet machine.

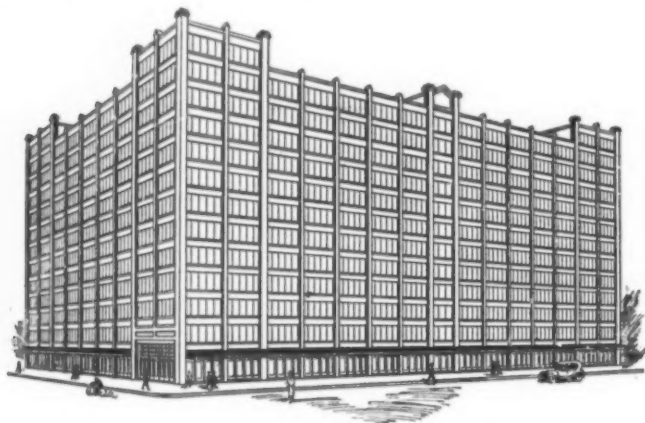
The paper mill equipment proper consists of Jones-Jordans-Dilks beaters; Oliver continuous filters; Beloit triplex stuff pumps and two Beloit paper making machines. Both of the latter are equipped with the Beloit removable fourdriner, Aldrich high speed shake, Beloit suction couch rolls, section press rolls with Timken bearings used throughout. These machines are the latest advanced design, being 210-inch width, with a paper speed of 800 feet per minute. In the recovery

Commerce, states there are 3,000,000 acres of pulp wood in Southern Arkansas, and this will be utilized, no doubt, in the not far distant future.

In comparison with the North woods, as a site for paper manufacturing, Southern Arkansas has much in its favor. It has the pulp wood, plenty of good water, an abundant supply of labor, and all the materials which enter directly and indirectly into the manufacture of paper. The winter climate is mild, which allows continuous operation 24 hours a day. With these essentials of the industry, and most favorable working conditions, there seems little doubt that Southern Arkansas will develop a big paper making industry within the next few years.

### **\$2,000,000 Warehouse to Be Erected in St. Louis.**

The J. C. Penney Building and Realty Corporation of New York plans to erect a \$2,000,000 warehouse in St. Louis, as recently announced; the structure is to supply the J. C. Penney Company's stores west of the Mississippi River. The building will be 12 and 13 stories and basement, 369 by 200 feet, of reinforced concrete construction, with more than 800,000 square feet of floor space. Plans and specifications have



PENNEY WAREHOUSE FOR ST. LOUIS.

been drawn by John F. Miller of New York, company architect, in association with the T. P. Barnett Company, architects, and Taxis & Becher, structural engineers, both of St. Louis. Starrett Brothers, Inc., of New York, are the general contractors.

Negotiations for the location of the warehouse in St. Louis are understood to have been carried on for several months before a final decision was reached, the important factor influencing selection being the railroad and barge line facilities afforded. The St. Louis warehouse will employ 300 or 400 people.

### **Southern Railway Laying Heavier Rail.**

During 1927 the Southern Railway System equipped 711 miles of track with heavier rail as part of its program for strengthening its lines, 446 miles having been laid with new rail and 265 miles with relay rail.

On 48 miles, at the north end of the Chattanooga-Cincinnati line, where traffic is particularly heavy, 130-pound rail was placed in the track, 9800 tons being required. Rail of 100-pound section was laid on 355 miles of track, bringing the mileage equipped with rail of this weight to 1893. New 85-pound rail was laid on 43 miles and relay rail, mostly of 85-pound section, was substituted for lighter rail on lines where operating conditions are not severe.

For laying during the first half of 1928, 20,555 tons of new rail have been purchased, including 8520 tons of 130-pound and 9270 tons of 100-pound.

### **Corporation Income Tax Analyzed.**

New York, March 17.—The Federal corporation income tax cannot be shifted onto the consumer and it does not affect prices or the movement of capital investment, except under such unusual circumstances as during war times or possibly in the case of corporations enjoying patent, monopolistic or similar advantages. Also, the burden of the corporation income tax in the case of all corporations exposed to fully effective competition lies on the investor or shareholder, who pays the tax directly or indirectly because it reduces profits and hence tends to reduce dividends or surplus.

These are conclusions of the National Industrial Conference Board, New York, after an exhaustive research investigation undertaken at the request of the Joint Congressional Committee on Internal Revenue Taxation. The study deals with a fiscal problem around which political and economic controversy has been waged for many years—ever since, and even before, the corporation income tax law was enacted. While the board's findings invalidate such opposition to the corporation income tax as is based on the contention that not the corporation, but the consumer, pays the tax, the effects of the tax none the less remain an issue of widespread interest and importance, in the view of the board, because of the widespread popular diffusion of securities in the United States which has gained rapidly in momentum during the past decade.

The forthcoming report of the Conference Board is based on a study of the sales, profits and capital investment of 4,644 large and successful corporations for the period 1918-1925, and probably constitutes the most comprehensive statistical analysis of corporation profits ever made.

Ten thousand corporation executives were questioned as to the possibilities and the practice of shifting the income tax to the consumer, and it was disclosed that it is common practice among corporation executives not to attempt to shift the tax.

### **Fresh Fruit Exports Increase.**

Exports of fresh fruit from the United States during 1927 were valued at \$60,000,000, approximately \$7,000,000 in excess of such exports in 1926 and practically double the value of the foreign shipments during 1923, according to the Department of Commerce. Increased exports of oranges and grapefruit account for most of the 1927 increase in exports, the value of orange shipments being \$3,600,000 more than during 1926, while grapefruit exports increased by more than \$1,500,000.

Apples constitute the principal fresh-fruit export, having a value of \$30,000,000 in 1927, while oranges came next at \$15,000,000. Other exports were: Pears, \$3,800,000; grapefruit, \$3,300,000; grapes, \$2,000,000; lemons, \$1,500,000; berries, \$1,100,000; peaches, \$777,000; pineapples, \$221,000, and "other fresh fruits," \$1,900,000. Figures show an increase in oranges of 900,000 boxes; grapefruit, 350,000 boxes; grapes, 4000 tons; berries, 2,300,000 pounds, and peaches, 69,000 bushels. Boxed-apple exports decreased by 500,000 boxes and pears by 241,000 boxes. Exports of boxed apples in 1927 were 6,400,000 boxes, and barreled apples were 3,042,000 barrels.

### **Site for \$2,000,000 Kamram Grotto Lodge.**

Birmingham, Ala.—A site at Five Points has been acquired by the Kamram Development Company, W. W. Alvey, president, for the erection of a building for the Kamram Grotto, to cost about \$2,000,000 complete. Tentative plans provide for a five-story structure initially, with foundations to carry five additional stories to be erected later. An arcade will extend through the building with shops on each side.



## New Cement Plant in Operation at Houston.

The cement plant recently put in operation at Houston, Texas, by the Trinity Portland Cement Company of Dallas was designed under the supervision of O. V. Bartholomew, general superintendent of the company. The plant employs the wet process of manufacture, utilizing shells from Galveston Bay and shale from a point on the San Jacinto River. Plant buildings include a steel and concrete structure for raw materials, kiln building, general building containing machine shop, stock room, switchboard gallery, air compressors and other equipment; concrete 8-tank silo cement storage with sack house of 150,000 barrels capacity; 8 concrete slurry tanks, and a concrete office building. The following major contracts were awarded for buildings and equipment:

**American crane with 60-foot boom and drag bucket**—American Hoist and Derrick Company, St. Paul, Minn.

**Drag line crane**—Northwest Engineering Company, Green Bay, Wisconsin.

**Electric overhead crane**—Harnischfeger Corporation, Milwaukee, Wisconsin.

**Kiln, 11.3x300 feet, kiln cooler 8x80, and combination grinding mills**—Traylor Engineering and Manufacturing Company, Allentown, Pa.

**Kiln chimney, 300 feet, tapering, or reinforced concrete**—Heine Chimney Company, Chicago.

**Motors**—General Electric Company, Schenectady, N. Y.

**Pumps for slurry and finished cement**—Fuller-Kenyon Company, Catasauqua, Pa.

**Steel buildings**—Mosher Manufacturing Company, Houston and Dallas, and Petroleum Iron Works Company, Houston.

**Steel sash**—David Lupton's Sons Company, Philadelphia.

**Storage building**—Southwestern Engineering Company, Springfield, Mo.

**Switchboard**—Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.

**Transformers**—Kuhlman Electric Company, Bay City, Mich.



HOUSTON PLANT OF TRINITY PORTLAND CEMENT COMPANY, DALLAS.

### Missouri Is Attracting Industries—Progress Made on State-Wide Survey.

Expectation that the Missouri Association, Inc., of Jefferson City, will become in April a State Chamber of Commerce in name and fact is expressed by George A. Pickens, general secretary, in a letter to the MANUFACTURERS RECORD, in which he says further:

"This association is sponsoring a State-wide industrial expansion survey. More than 150 towns of the interior are working on their surveys and some 75 have completed theirs and sent copy to us. \* \* \*

"Outside of our two great cities, which are planning to develop industrially, interior Missouri is awakening on all industrial lines. Manufacturers who have located in a number of Missouri towns are more than pleased with the class of labor available and the spirit of our people toward the locator. A number of large industries are planning to locate units of their plants in smaller towns. \* \* \*

"Dairying is being developed rapidly and many cheese factories, condensed milk factories and creameries have been started, with others under consideration. We have about arrived at a time when truthful publicity about Missouri's resources, advantages and opportunities should be pushed vigorously."

### Real Estate Code for Subdivisions.

A code of proper business practice in the development and sale of subdivisions will be brought before the directors of the Association of Real Estate Boards at their quarterly meeting in Chicago, in April. If approved, it will come before the full membership of the Association at its annual convention, in Louisville, Ky., in June. The code calls for guarantees to insure the financial ability of the subdivider to carry out his advertising promises, and for guarantees to insure the title of any lot which the home buyer may purchase against being held up for an indefinite time by the financial inability of the developing company to clear the tract as a whole of

incumbrance. Also, property outside the city limits and not adjoining those limits, if cut up into unimproved lots, must be advertised and sold as under the term "acreage" or "undeveloped" property, and not under any promise of improvements based on possible probable annexation.

### More Automobiles Enter Florida.

Official figures compiled on the number of automobiles entering Florida in February over the Jacksonville-St. Johns River bridge show a total of 8652 cars, carrying 30,207 passengers, these coming from the other 47 States and including 106 cars from Canada and 97 from the District of Columbia. Compared with the figures for the same month last year, this record shows an increase of 2303 cars and 6796 passengers. For January and February of this year the total was 16,275 cars and 55,253 passengers, compared with 14,581 cars and 53,108 passengers last year.

### \$4,000,000 West Virginia Rail Line Proposed.

Authority to build a new railroad in West Virginia, 29 miles long, from Swiss to Nalleen, is sought by the New York Central and the Chesapeake and Ohio railroads, acting jointly. Organization of the Nicholas, Fayette and Greenbrier Railroad Corporation to undertake the construction and to provide the new corporation with \$4,000,000 to meet the costs is proposed.

### Plans \$1,000,000 Terminal Improvements.

Texas City, Texas.—Construction will soon begin on a \$1,000,000 building program of the Texas City Terminal Railway Company, to include the rebuilding of Pier B, recently destroyed by fire, construction of a concrete warehouse, expansion of grain elevator and the installation of a sprinkler system in all warehouses.

## Letters From Our Readers.

### The Cotton Grower's Problem.

San Antonio, Texas.

*Editor Manufacturers Record:*

A few years ago, when cotton prices became high enough to yield to the growers of cotton a real profit, literally thousands of farmers, living in areas which have heretofore grown little or no cotton, immediately became producers of cotton, attracted by profitable prices. When England made her very clever arrangements with reference to export duty on rubber from her colonies, many American manufacturers who used large quantities of rubber promptly set about producing their own rubber. The effect upon the British scheme was very prompt and effective.

The theory that world cotton prices can be permanently raised through curtailment of acreage in the United States is basically unsound, because six out of every 10 bales of cotton produced in the United States are sold abroad in the raw state and there is a great deal more land outside of the United States suitable for the production of cotton than is necessary to produce not only the amount we export, but also what we consume at home and more besides. This is not a word picture of something which does not exist. I, for one, have seen with my own eyes much of this land and know whereof I speak.

The comparatively favorable cotton prices of recent years have already resulted in a tremendous increase in the production of cotton outside the United States. The principal reason why this production has not been even greater is one of finances, and everyone familiar with world conditions knows that money is more easily obtained for foreign investments today than it has been at any time during the last quarter of a century.

The British have an organization which has for its purpose the development of a cotton-producing industry in the British Empire; but it is not the operation of any particular organization that is to be feared—it is the fact that land owners throughout the world are yearly becoming more and more familiar with world marketing conditions and more and more able to finance themselves. It is their individual efforts that will ultimately result in the United States losing most of its cotton export business, unless means are found to reduce the cost of producing and marketing cotton in the United States.

Since we at present supply so large a percentage of the world's raw cotton, naturally a large reduction in production here will automatically result in higher prices, but this improved condition will be purely temporary, as it will spur the foreign producers to still greater activities. Since, in most foreign countries that can produce cotton, land taxes are practically nothing, transportation to seaboard, generally speaking, costs less than here, and an abundance of cheap labor is available, the unpleasant fact must be faced that, once these foreign people begin to produce cotton, they can do so and make a profit at prices which would beggar the American producer.

It may be well enough to try to get a profit for our American producers by restricting production this year, but unless we find means of reducing the cost of production and marketing, the final result to our export cotton industry is inevitable. As a matter of fact, exactly the same condition prevails as to our foodstuff production—we must either depend on our own domestic consumption or we must enable the farmer to produce and market at a price which will permit him profitably to compete with foreign producers. No amount of "wet nurse farm relief" legislation will accomplish this purpose.

Reduce the farmer's taxes, give him cheap transportation for his products, make it possible for him to hire farm help at a reasonable price, and the intelligent farmer will solve his own problems without the help of any commission or bureau, to tell him how to do it.

R. W. MORRISON.

In a second letter to the MANUFACTURERS RECORD discussing some points that had been made in correspondence with Mr. Morrison about the efforts made years ago by England to

develop cotton growing in other countries, Mr. Morrison writes:

"All you say with reference to the activities during the past 100 years of cotton production is true. There have, however, been two principal reasons for failure to date. First, there has been a lack of capital available for growing cotton in foreign countries, and second, there have been very low cotton prices from time to time which robbed cotton production in foreign lands of a considerable portion of attractiveness from a financial standpoint.

"It is quite true that foreign production has been only about sufficient in the past few years to meet the world's increased demand; however, from my personal knowledge of foreign conditions gathered through many years of experience, I am quite positive that we cannot reasonably expect this balanced condition to continue to prevail and I wish again to predict that our American cotton farmers will find themselves confronted with increasingly severe foreign competition from year to year.

"Reduced production and marketing costs is the only sound solution to our agricultural problem not only as regards cotton, but as regards all other products the prices of which are controlled by world markets. Lower freight rates, less land taxes, a supply of labor willing to work on the soil permitting diversification of crops, are some of the remedies; and, unless some of these remedies are applied, the number of farms growing up in brush will increase from year to year, land values will continue to decrease from year to year and the Joint Stock and Federal Land Banks will continue to acquire more and more property through foreclosures.

"If you doubt any of the statements made, when you go north from Florida, take an automobile and spend some time driving through Alabama, Georgia, the Carolinas and Virginia, observing as you go the proportion of the land that is lying idle growing up in brush.

"The MANUFACTURERS RECORD has always been looked on as essentially a champion of the agricultural interests, especially throughout the South, and I believe a careful personal study of conditions will convince you that something more than a bureau at Washington is needed to solve agriculture's problem."

### On Bishop Cannon.

First and Merchants National Bank.

Richmond, Va., February 28.

*Editor Manufacturers Record:*

I have read the MANUFACTURERS RECORD of February 16 containing the letters from Bishop Cannon and yourself, and agree that you have wasted a lot of space criticising each other. My humble opinion is that you are both taking the wrong method of solving a big proposition. I suggest that each one of you apologize to the other and put the evident unchristian feeling out of your hearts.

You are both big men in your respective callings, and we need big Cannons with the necessary ammunition, which you both possess, to meet the common enemy, Greed, Graft and Corrupt Politics, which all recognize; but few like yourselves are equipped to lead the thoughts of men in the right direction, to find a remedy for prevailing unhappy conditions among our working people.

Will you be good enough to give space in your splendid periodical for this suggestion and keep up to your record of being a good sport and one of our best editors?

J. E. TYLER, JR.

[Mr. Tyler is mistaken in thinking that the editor of the MANUFACTURERS RECORD has, or had, any unkind feeling whatever to Bishop Cannon. Knowing that the Bishop was making a mistake, we earnestly sought to persuade him not to insist on the publication of his lengthy article. Every other paper which had criticized his position had refused to publish the Bishop's article, although he refused to answer our courteous question on that point. From many sources, even in his own denomination, we have had hearty approval of our whole position in the matter.—Editor MANUFACTURERS RECORD.]



# IRON, STEEL AND METAL MARKET

## Pittsburgh Steel Market.

Pittsburgh, March 19—[Special.]—Steel mills are averaging a slightly higher operating rate this month than last, but are not up to the rate of last March, while January and February were above their corresponding months. The net result will probably be that the three months will show a slight gain, 1 to 2 per cent, over the first quarter of last year. Usually the second quarter runs somewhat less and that is to be expected this year.

There is less pressure on mills for deliveries than was expected recently, when it was thought buyers would have to specify to take advantage of their low priced contracts. As reported last week, many buyers have steel due them after April 1 at substantially the old prices. There will not be much rise in average invoice prices of steel shipped in the second quarter, but according to the present outlook there will be some. Steel company earnings per ton should show a slight rise for this quarter and a further rise for next quarter, while total earnings this quarter will show a sharp increase on account of shipments being 25 to 30 per cent heavier than in the last quarter of 1927.

The various advanced prices quoted by mills are being held fairly well, but there is not much test, as buyers were already so well covered before the later advances. An item is that makers of cold finished bars, having put out a second quarter price early in February of 2.30 cents, are now freely offering second quarter contracts at the first quarter price of 2.20 cents. Mills generally are holding nails at \$2.65, but some small mills shade occasionally and jobbers having the benefit of old contracts can undersell the regular mill price.

Various explanations of the Steel Corporation's unexpected increase in unfilled obligations during February have been offered, one being that there were some large orders of a very special character. The more common view is that the January increase of 303,073 tons and the February increase of 122,242 tons, when there had been decreases in these months in each of the two preceding years, was due to the taking on of additional obligations, for second quarter, at prices below those now quoted as representing the open market.

With the exception of the automobile industry, the various steel consuming lines are running at much the same rates as a year ago. There is no clearly marked divergence either up or down in any individual instance.

As to the automobile industry, it appears to be running about the same as a year ago in total production, and the rate then was a fairly high one. The present showing, however, is made without the aid of Ford production, other makers having had a slightly larger output in February than the total output, including Ford, of February, 1927. Heavy Ford production is still to come. Apart from Ford, deliveries of steel to the automobile trade are now running at approximately the maximum rate for the season and there is little more automobile steel to be bought for the half-year. Slowing down for the bringing out of new models may come earlier than usual.

Fabricated structural steel lettings reported last week ran about 37,000 tons, making a fairly heavy week. Lettings thus far this year have run well above last year's average and thus have more than justified expectations.

The valley pig-iron market is dull as usual, while Connells-ville coke has shown no seasonal improvement. Heavy melting steel scrap is off 25 cents this week, having now lost 75 cents of the dollar advance scored in December. At \$14.25 to \$14.75 delivered Pittsburgh district it is only 25 cents above last year's low.

## The Metal Market.

New York, March 19—[Special.]—The metals were quiet but steady last week as a general rule, whereas during the previous period they had been active and rising. The undertone is still one of strength, and it is expected that prices will advance further before they decline. Tin has again been the exception to the general trend, again sinking to the lowest level in three years, the price at 50 cents per pound of Tuesday having coincided with the low of April, 1925, which had been the lowest since October, 1924. But the low tin prices brought out spirited buying and prices were advancing the rest of the week.

There is evidence that the lower selling prices of the metals is bringing about lower profits in many cases despite the reduction in the costs of manufacture. One of the minor lead-producing companies recently reduced dividends, attributing this to a price for lead of 6 cents per pound, New York, compared with 7½ cents per pound a year ago. Yet in many cases the scale of business is compensating for the narrow margin of profit. Shipments of copper in February, for instance, were a new record for that month, amounting to nearly 135,000 tons.

The price of platinum has dropped \$5 per ounce the past ten days, the pure grade selling at a maximum of \$80 per ounce. Silver has been steady at slightly over 57 cents per ounce. Quicksilver shows the rather wide range of \$120 to \$123 per flask of 75 pounds. Antimony has been a little stronger marketwise.

The statistics which have come out have been favorable in the main. Surplus stocks of slab zinc decreased in February for the first time in several months, the decline having been about 850 tons. Deliveries were unusually large. Lead statistics, on the other hand, were unfavorable in that a gain by 11,180 tons in surplus stocks of United States and Mexico took place during February, these stocks amounting to 47,598 short tons. Copper statistics were largely a "stand-off" inasmuch as a gain of nearly 10,000 tons in surplus stocks of blister copper was balanced by a decrease by nearly 10,000 tons in refined stocks.

Prospects in the zinc industry are much brighter. Though impending curtailment of production in the zinc mines of the tri-State district has been talked of for months, such curtailment is now becoming a reality. Many mines have already closed down to await better prices. The goal is a curtailment of 33½ per cent, bringing the weekly production to 8000 tons instead of 12,000 tons. The price of zinc ore has reached \$38 per ton from \$34 three weeks ago and the goal is \$40 per ton. Prime western slab zinc has become 5.65 cents per pound, East St. Louis, an advance of \$5 per ton in three weeks.

The most constructive development in the copper industry has been the ending of the strike of over 50,000 metal workers in Germany. Purchasing on the part of Europe has been better than the domestic demand. The official price of Copper Exporters, Inc., is 14½ cents, the price prevailing for several months. In the domestic market the quotation of 14⅞ cents is holding, sellers having booked enough tonnage week before last to put them in a comfortable position. In fact, conditions in the copper industry are the most stable for years. The February statistics showed a very good balance of conditions and prices have been virtually on the same level for months.

Lead prices have been steady all week at 6 cents per pound, New York, and 5.80 cents, East St. Louis. Purchasing has been of moderate proportions.

### Birmingham Iron Market.

Birmingham, Ala., March 19—[Special.]—Without excitement or intimation of further improvement, the pig-iron market is steady and sales managers are reporting order books in fairly good condition. It is admitted that selling into the second quarter has been under way for some time, with consumers maintaining rigidly the policy of buying against immediate needs, in small lots. The probable make of the first month of the second quarter has about been covered and indication given that activity with a number of the steady melters will continue indefinitely. In the meantime, there is active delivery of foundry iron, the melt is good in many directions and improving in others. Manufactured products are being moved constantly and production is being watched. The pressure pipe makers have considerable business booked, although total volume is not up to the tonnage of last year nor two years previous to that. However, there have been new lettings recently. In the Birmingham district alone upwards of 2700 tons of pressure pipe will be laid in the next 60 days for one company and other development is under consideration.

Quotations for foundry iron hold firm on the base that has been noted for some time, \$16 for No. 2 foundry. Active delivery is bringing about a little reduction of surplus iron on blast furnace yards.

That better conditions in the cast iron pressure pipe trade are assured is to be understood from the steady improvement under way constantly in this industry. Soil pipe market shows but little change, although two or three of the larger shops are very active and are shipping much of their product.

The steel trade is doing well, everything considered, various shapes of the product moving out steadily. Plate is in good demand, local fabricating shops requiring large tonnage. Tanks for oil in the several fields in the Southwest and other big work requiring tank shapes are placing business in this district. The operations in steel circles include 18 open hearth furnaces out of 23. Wire and nail are moving steadily. Cotton tie making has not yet started but survey shows that there will be need for a large tonnage this year.

The coal mining trade is not any better. Production is around 175,000 tons weekly. Weather conditions have been such as not to push the requirements on domestic coal. Steam coal consumption is unchanged. Larger engines and other improved conditions have had effect. Installation of coal pulverizing and burning machines in various industries is under way actively in this section and may bring about a greater consumption of coal. Coke continues steady with \$5 as the quotation base for foundry coke. Production is increased by the starting up of new ovens at the big by-product plant of the Tennessee Coal, Iron and Railroad Company at Fairfield.

The scrap iron and steel market is somewhat more active than for months and demand is improving in practically all products save railroad wrought. Heavy melting steel holds a firmer price, \$10.75 being minimum. Stove plate and No. 1 cast are in good demand again. Dealers have all the stock needed or are in position to obtain it in any quantity.

Quotations on pig-iron and iron and steel scrap follow:

#### PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.50; iron of 2.75 to 3.25 per cent silicon, \$17.00; iron of 3.25 to 3.75 per cent silicon, \$17.50; charcoal iron, f. o. b. furnace, \$29.00.

#### OLD MATERIAL.

Old steel axles	.....	\$16.00 to \$17.00
Old iron axles	.....	16.00 to 17.00
Old steel rails	.....	11.50 to 12.00
Heavy melting steel	.....	10.75 to 11.00
No. 1 cast	.....	14.00 to 14.50
Stove plate	.....	13.00 to 14.00
No. 1 railroad wrought	.....	11.50 to 12.00
Old car wheels	.....	14.50 to 15.00
Old tramcar wheels	.....	14.50 to 15.00
Machine-shop turnings	.....	8.00 to 9.00
Cast-iron borings	.....	8.00 to 9.00
Cast-iron borings (chem.)	.....	13.00 to 13.50

## TEXTILE

### Westcott Hosiery Mills to Expand.

Dalton, Ga.—The Westcott Hosiery Mills have commissioned Lockwood, Greene & Co., Inc., Charlotte, N. C., to prepare plans and supervise construction of a two-story, 60 by 120-foot extension to their plant, and a new dye house.

### Contract for Powell Knitting Mill Unit.

Spartanburg, S. C.—The Powell Knitting Company has awarded contract to the Fiske-Carter Construction Company for an additional unit to double the capacity of its plant. Lockwood, Greene & Co., Inc., of Charlotte, N. C., are the engineers.

### Stowe Thread Company Capitalized at \$750,000.

Belmont, N. C.—The Stowe Thread Company, capitalized at \$750,000, will apply for a charter to build and operate a plant here with initial equipment of 5500 spindles for the production of coarse yarns. R. L. Stowe, S. P. Stowe and A. C. Linberger are the principal stockholders.

### New Building for Chilhowee Mills.

Athens, Tenn.—The Chilhowee Mills Company, recently reported to consolidate with the Fashion Mill and install \$60,000 worth of machinery to manufacture full fashioned hosiery, will build a 1-story brick building of mill construction, saw-tooth roof, with 29,500 square feet of floor space. W. H. Sears, Chattanooga, is engineer and architect.

### Contract for Weave Room for Proximity Mill.

The Proximity Manufacturing Company, Greensboro, N. C., has awarded general contract for erecting a new weave shed, at approximately \$150,000, to J. A. Gardner of Charlotte. The building will be 145 by 269 feet, two stories, the top floor to house about 500 Draper automatic looms for denim, while the basement will be used for storage. J. E. Sirrine & Co. of Greenville, S. C., are the engineers.

### Install 3000 Spindles in Lincolnton (N. C.) Mill.

The Rudisill Spinning Mills, Inc., Cherryville, N. C., capitalized at \$250,000, have organized with A. A. Whitener, Hickory, N. C., president; C. A. Rudisill, Cherryville, vice-president and manager, and M. M. Rudisill, Cherryville, secretary and treasurer. The company purchased the Roseland Spinning Mills near Lincolnton and will install 3000 new spindles for the production of combed yarns.

### Two South Carolina Mill Mergers Announced.

Greenville, S. C.—Organization of Brandon, Inc., with a capital stock of \$9,500,000, to take over and operate four mills of which August W. Smith of this city is president, it is reported, has been effected. The mills affected include the Brandon Mills and the Poinsett Mills at Greenville; the Woodruff Mill at Woodruff, S. C., and the Renfrew Mill under construction at Travelers Rest, S. C. James P. Gossett, Anderson, S. C., is quoted as announcing that preliminary details are being arranged for consolidation of five mills under his control, including the Riverside Manufacturing Company, the Toxaway Mills, the Ladlassie Mills and the Gossett Dyeing and Finishing Company at Anderson, S. C., and the Williamston Mills at Williamston, S. C. The Brandon units at present operate about 167,000 spindles and 3900 looms and the Gossett mills about 114,000 spindles and 1880 looms.



## GOOD ROADS AND STREETS

### EXPRESS HIGHWAYS CONNECTING IMPORTANT CENTERS PREDICTED.

#### Grade Separation at Highway Crossings Another Important Change, Says Automobile Manufacturer.

"The United States will never complete its road-building program," said Walter P. Chrysler, president of the Chrysler Corporation, recently discussing the traffic situation in America. "New highways will be needed constantly. Old highways must be kept in repair and many must be widened." Mr. Chrysler continued:

"In the future in the centers of our larger cities more of the rail traffic will be underground, and in some cities the surface car will give way to the bus. In others the street car will be taken off the streets and put in underground tunnels. Elevateds for overhead trains will be torn down; subways will be substituted. Streets will be widened. Arterial highways will be constructed. Separation of grades is another step.

"Our larger cities will be connected by express highways. These will be entirely enclosed like railroad rights of way. There will be separate lanes for slow-moving vehicles and separate lanes for the faster moving ones. When grade crossings are encountered the highway will go overhead or underneath.

"America today has a most ambitious road-building program. There is every reason to believe that this program will be expanded until the country will have a great system of transcontinental highways and roads extending from Canada to Mexico. Of course, as soon as we finish a two-way highway, traffic on it frequently increases to a point where a four-way highway is needed. This is bound to be true for eight or ten years more."

### Co-Operation of Public Authorities Urged to Solve Grade-Crossing Problem.

The highway grade-crossing problem is one of the most important confronting the railways and public authorities and the growing density of motor traffic demands that serious consideration be given to how the situation can best be met. This was the gist of a report submitted by the grade crossing committee of the American Railway Engineering Association and the engineering division of the American Railway Association at the joint meeting held recently in Chicago.

Statistics show that, notwithstanding the large annual expenditures for grade separation, the number of grade crossings is actually increasing, it was declared, and accidents are not confined to crossings with bad approaches or poor visibility. In addition to properly protecting many locations and making grade separations at others, many crossings can be closed or consolidated, and a serious effort in this direction was urged. Because of the interstate character of much motor traffic, it was pointed out that the Federal Government should become actively interested in the "safety, welfare and control of this traffic, as well as that of the railways." The lack of progress in solving the problem is not due to physical or engineering difficulties, but the expense of grade separation has retarded elimination of crossings, it was emphasized, and therefore some method must be adopted that will eliminate a large number of existing crossings at negligible expense compared with grade separation. Such a plan would comprise: Prohibition of new crossings or their restriction to unavoidable situations; closing of existing grade crossings not manifestly necessary; the diversion or relocation of highways to avoid grade crossings; limit grade separation to situations where no other method can be used.

### Offers \$1,500,000 Highway Bonds.

Columbia, S. C.—The Coastal Highway Commission, Wade Stackhouse, chairman, Dillon, S. C., will offer at public sale on March 27 an issue of \$1,500,000 4½ per cent bonds, the joint obligation of Dillon, Florence, Williamsburg, Colleton, Beaufort and Jasper counties, South Carolina.

### Plans for \$572,000 Bridge Approved.

Perryville, Tenn.—Plans for the proposed bridge across the Tennessee River here have been approved by the War Department and construction is expected to begin soon. Contract for the structure has been awarded by the State Department of Highways and Public Works, at approximately \$572,000, to the National Construction Company, Jacksonville, Fla.

### Alabama Asks Bids on 300 Miles Roads.

Montgomery, Ala.—The State Highway Commission will receive bids March 28 for 28 road and bridge projects to cover more than 300 miles. Ten projects call for a total of 139.77 miles of grade and drainage construction; seven for 55.49 miles of paving; two for 34.76 miles of sand clay; two for 34.96 miles of gravel; 6.23 miles of chert, 10 miles of bituminous macadam, 17.20 miles of limerock base and surface treatment and 11 miles of top soil. One project calls for resurfacing bridges, another for building eight timber bridges and another for two concrete bridges.

### Mississippi River Bridge Sub-Contracts Let.

The U. G. I. Contracting Company, Philadelphia, Pa., recently awarded contract by the Vicksburg Bridge and Terminal Company, for the substructure for river spans of a proposed railway and automobile bridge across the Mississippi River at Vicksburg, has awarded the following sub-contracts:

Channel mattress work—Woods Brothers Construction Company, Lincoln, Neb.  
Compressor plant equipment—Bury Compressor Co., Erie, Pa.  
Heavy timbers—Perry Lumber Company, Vicksburg.  
Hoisting machinery—American Hoist and Derrick Company, St. Paul, Minn.  
Pile driving—Hanna Construction Company, Jackson, Miss.  
Steel caissons—St. Louis Structural Steel Company, St. Louis, Mo.

The U. G. I. Company is erecting temporary buildings, assembling plant and installing tracks for the execution of its contract, which is said to involve more than \$1,500,000. The bridge will be more than 7500 feet. Harrington, Howard & Ash of Kansas City, Mo., are the engineers.

### How Virginia Distributes the Gas Tax.

H. G. Shirley, head of the Virginia State Highway Commission, Richmond, calls attention to an error in the gasoline tax article published in the MANUFACTURERS RECORD of March 8 and gives the following information concerning the distribution of the tax in that State:

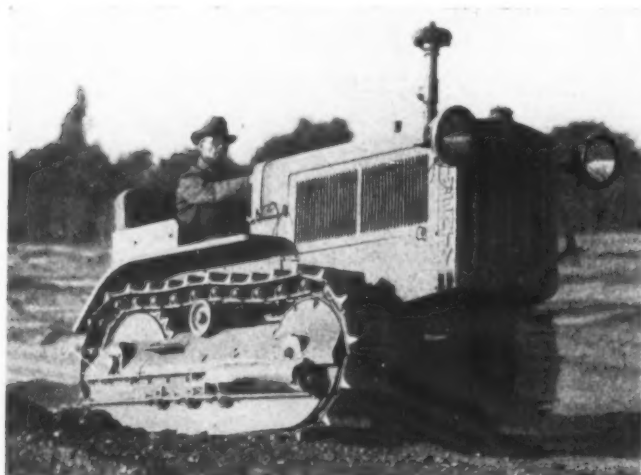
"There is now a tax of 4½ cents per gallon on gasoline, of which the State gets 3 cents for the construction of State highways and the counties get 1½ cents. The counties are required by law to put up an amount equal to the ½ cent to match it, but for the 1 cent they do not have to put up any money to match.

"The recent Legislature increased the gas tax to 5 cents, the ½ cent additional going to the State to take care of the 1500 miles that will be added to the State highway system in September, 750 miles of which will be taken in in 1928 and 750 miles in 1929. The distribution of the 1½-cent gasoline tax to the various counties is made in proportion to the taxes paid into the State treasury by each county in 1925."

## NEW AND IMPROVED EQUIPMENT

### New Line of Caterpillar Tractors.

The Caterpillar Twenty tractor is announced by the Caterpillar Tractor Company, San Leandro, Cal., as an addition to its line of tractors, after a test involving the dragging of a capacity load on a steel boat, day and night, for six months.



THE NEW CATERPILLAR TWENTY.

All flaws and shortcomings noted in the test were corrected before the machine was put on the market, the company says.

Of the first 20 Caterpillar Thirtys and Sixtys turned out by this plant, the company says that 19 have been found and checked up, and that these all are working. In the agricultural field, it adds, 2000-hour-a-year tractors are quite common, while 3000 and 4000, and even 5000-hour-a-year Caterpillars are found running 23 hours a day and averaging 25 days a month.

### Transit Available for Surveyors.

A new precision transit, called the "Sesqui," for mine and other work has been developed by the Warren-Knight Company, Philadelphia, Pa., makers of the "Sterling" line of surveying instruments. The tripod plate has a corrugated edge and the leveling head has eight reinforcing ribs and is non-



PRECISION TRANSIT.

cramping, while the horizontal limb of hard bronze is 5½ inches in diameter at the graduated edge and reinforced with 24 full-length, deep radial ribs about ¼ inch deep on the under side of the limb, to afford a convenient finger hold. Graduations are on a sterling silver ring, and the figures on the limb and verniers are differentiated by both size and slant, to indicate the correct direction of reading. The top plate, also

of hard bronze, has a triple system of ribbing to insure protection for the horizontal limb.

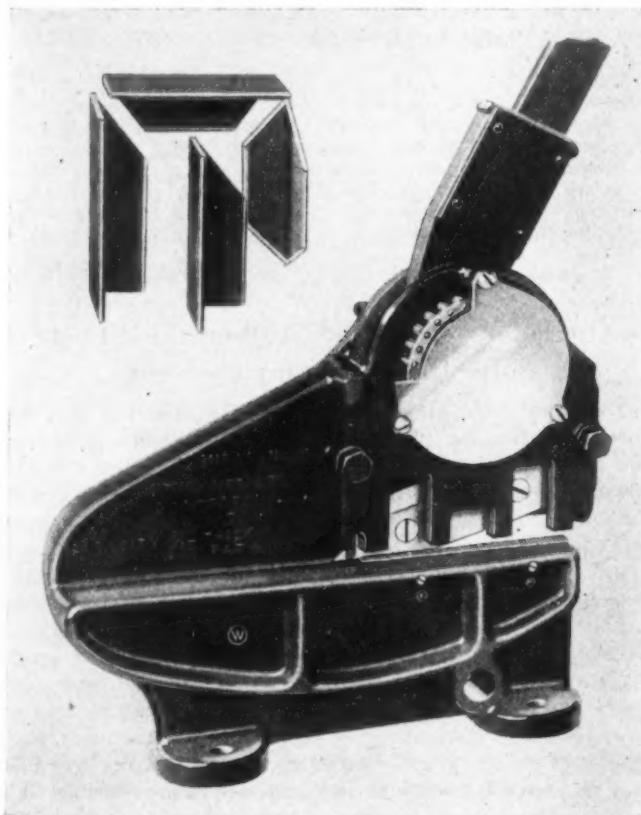
Radial ribs extend to the extreme edge of the plate, beneath and beyond the standards, and one rib is carried on a line with each two of the screws, securing the standards, which are of hard bronze, having a deep "L" section 1½x9-16 inches at the base, with a wide and heavy footing block. The telescope axle is of hard bell metal of sturdy design, having cylindrical pivots which rest in V bearings in the standards.

The standard top pieces do not touch the telescope axle at any point. A right-angle peep sight through the telescope axle and a center point for plumbing from above are provided. The telescope is 10 inches long, balanced and dustproof, with 1¼-inch objective and magnifying power of 22 diameters. The lenses afford a bright, flat field, with abundant light, and permit an absolutely sharp focus as close as 4 feet. The telescope level is so located as to afford an unobstructed view of both ends of the bubble. The level vial is 5 inches long and has a uniform degree of sensitivity, about 40 seconds.

The new transit weighs about 13 pounds, which is less than the usual full-size instrument and more than usual light transit.

### Slitting Shear With Roller Bearings.

The accompanying illustration represents the new No. 6 Slitting Shear, equipped with roller bearings, and which has been added to the present line of punches and shears made by the Whitney Metal Tool Company of Rockford, Ill. It is of alloy steel, drop forged throughout and all wearing parts are hardened. The eccentric crank pin and trunnion bearings



THE NEW SLITTING SHEAR FOR METALS.

are all roller bearings, and it is throatless. Oil holes are provided.

The manufacturers state that the capacity of this shear includes all thicknesses up to and including 3/16 inch. The shearing blades are inserted and are 4¼ inches in length; the lower shearing blade is adjustable to take up any wear. All parts are interchangeable.

This, it is claimed, is a most powerful slitting shear because of the fact that it has roller bearings which, by reducing friction, eliminate wear and also increase power. The shear will slit sheets, mitre angle iron and cut off flats. It weighs 24 pounds.



# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

### Airports, Airplane Plants, Etc.

Md., Baltimore—Bd. of Estimates, reported, probably place chain landing lights, Logan Field.

Mo., Anglum—Curtis-Robertson Airplane Mfg. Co., care of St. Louis Flying Field, Bridgeton, reported, erect 1-story, 60x250-ft. factory, 1-story, 40x60-ft. woodworking and paint shop, 2-story, 30x40-ft. office, all rein. conc., brick and steel; J. S. Alberici, Boatman's Bank Bldg., St. Louis; \$65,000. 1-26

Tex., Amarillo—City, Lee Bivins, Mayor, reported, probably lease Bivins field, erect hangar, equip for airport.

Tex., Beaumont—J. I. Byrne, Gen. Mgr., Orange Car and Steel Co., Orange, reported, erect steel hangar, capacity 3 planes at municipal air field; F. L. Bertschler, Park Supt.

Tex., El Paso—City will erect 100x60-ft. hangar, struct. steel, corrugated iron roof; plans by H. C. Stacy, City Engr. 3-8

Tex., San Antonio—Col. E. H. Agnew, real estate officer, Eighth Corps Area, reported, receive bids April 6 for erection all steel hangar, Fort Brown.

Tex., San Angelo—Bd. of City Development, Claude C. Wild, Mgr., advises have 250 acres for airport; no arrangements for equipment made. 3-8

### Bridges, Culverts and Viaducts

#### Proposed Construction

Alabama—State Highway Dept., Montgomery, reported, plans building and maintaining 5 bridges: Marshall County—across Tennessee River, Guntersville-Huntsville rd.; across Tennessee River, Huntsville-Lacey rd., between Madison and Morgan Counties; Jackson County—across Tennessee River, Scottsboro-Fort Payne rd.; Cherokee County—across Coosa River, near Cedar Bluffs; across Coosa River, Columbiana River-Talladega rd., between Talladega and Shelby Counties.

Alabama—State Highway Dept., Montgomery, reported, plans 3 bridges: Sumter County—across Tombigbee River, near Epes; across Tombigbee River, Gainesville-Eutaw Rd., near Sumter and Green Counties; Pickens County—across Tombigbee River, Gainesville-Aliceville Rd.

Arkansas—State Highway Comm., received low bids for 9 bridges. See Roads, Streets, Paving.

Ark., El Dorado—George S. Tatem, Union County Judge, reported, surveying for bridge across Ouachita River, near Felsen-thal.

Ark., Success—State Highway Comm., Little Rock, reported, plans bridge across Current River, near Success.

Ark., Truman—Dist. Highway Engr., Shelby Lee, Jonesboro, reported, plans conc. and steel bridges, Jonesboro-Memphis rd., Truman to floodway; replace wooden structures.

Florida—See Roads, Streets, Paving.

Fla., Miami—R. H. Wilson, City Bridge Engr., reported, preparing plans for bridge across Little River, N. E. Seventy-ninth St.; 30-ft. wide, 40-ft. and two 30-ft. spans; timber floors; replace present 16-ft. bridge.

Fla., Stuart—E. H. Gibson, Martin County Engr., reported, making preliminary survey for causeway, Sewall Point to James Point, at St. Lucie Inlet; apply to War Dept. for permit.

Ga., Atlanta—I. N. Ragsdale, Mayor, reported, plans receiving bids soon for \$95,000 Mitchell St. viaduct; plans extending Central Avenue viaduct approach; eliminate present "offset," at Ivy St.

Ga., Folkston—Charlton County Comms.,

reported, receive bids Apr. 2 for bridge across Satilla River, Burnt Fort; 100-ft. steel span, 450-ft. pine trestle. 1-19

Ky., Ashland—Ashland Bridge Co., Thomas Boggess, Pres., reported, submit plans for bridge across Ohio River, Ashland to Coal Grove, Ohio, to War Dept., in few days.

Ky., Maysville—Maysville Bridge Co., reported, plans Ohio River bridge. 12-15-27

Louisiana—Louisiana Highway Comm., Baton Rouge, reported, plans building and maintaining bridge across Atchafalaya River, near Morgan City.

La., Winnfield—Louisiana Highway Comm., Baton Rouge, reported, plans rebuilding steel bridge over Dugdamonia Bayou, Winnfield-Tullos Highway, recently collapsed.

Md., Kensington—Montgomery County Comms., Rockville, authorized \$60,000 loan to State Roads Comm., Baltimore, to eliminate grade crossing of B. & O. R. R.; R. R. Co. to provide similar amount; County Commissioners also plan \$60,000 underpass at B. & O. R. R. track, Sixteenth St., Georgia Ave., near Dist. line. See Financial News.

Miss., Meridian—See Roads, Streets, Paving.

Miss., New Albany—Union County Bd. of Suprvs., reported, receives bids Apr. 2 for 900 to 1,000 ft. conc. and steel Tallahatchie River Bridge, 35-ft. wide; \$100,000.

Miss., Quitman—Clarke County Bd. of Suprvs., reported, receive bids Apr. 3 for 3 pile bent bridges: across Archusa Creek, east of Stonewall; across Gordon Creek, south of Beatrice; across Williams Branch, west of N. O. & N. E. depot, Enterprise.

Miss., Sardis—Panola County Bd. of Suprvs., reported, receives bids Apr. 2 for 2 steel bridges across McIver Creek. 2-23

Mo., St. Louis—Board of Public Service, reported, receives bids April 17 for southern approach to Municipal Bridge; 3223 ft. steel portion; 6000 tons. 3-15

North Carolina—See Roads, Streets, Paving.

N. C., Durham—City and Southern Rwy. System, B. Herman, Ch. Engr., Washington, D. C., reported, plan underpass, Pine St.

S. C., Pickens—See Roads, Streets, Paving.

Tenn., Celina—Highway Dept., Nashville, reported, plans building and maintaining bridge across Cumberland River, La Fayette-Celina rd., Clay County.

Texas—State Highway Comm. receives bids for 6 bridges. See Roads, Streets, Paving.

Tex., Decatur—Wise County, State Highway Comm., Austin, reported, receive bids probably, Apr. 2, timber pile trestle bridge and approaches, Sandy Creek, on .449 mi. Highway 39.

Tex., El Paso—El Paso Electric Co., Joseph Bowes, Gen. Mgr., reported, plans \$250,000 steel bridge, conc. piles, foot of Santa Fe St., connect El Paso and Juarez, Mexico.

Tex., Fort Worth—Tarrant County and State Highway Comm., Austin, receive bids Apr. 2 for 2 girder bridges, total length 301-ft., Highway 1: three 43-ft. girders, Rush Creek; four 43-ft., Village Creek. 3-8

Tex., Houston—A. W. Moore, City Sec., reported, received low bid from Walker & Elder, Builders Ex. Bldg., San Antonio, \$257,753, for Franklin Ave.-Navigation Blvd. underpass; from A. M. Arnold & Co., 1622 Elder St., to pave McGowen St. 2-23

Tex., Liberty—See Roads, Streets, Paving.

Tex., Longview—See Roads, Streets, Paving.

Tex., San Antonio—Fred Fries, City Clk., reported, receives bids March 26 for conc. and steel San Antonio River Bridge, Hildebrand St.

Virginia—State Highway Comm. receives bids for 2 bridges. See Construction News—Roads, Streets, Paving.

W. Va., Clarkeburg—R. L. Osborne, City Mgr., reported, plans \$400,000, for 6 bridges and roadway from Glen Elk to Church St.; pave Pike St., Point Comfort, etc. See Financial News.

#### Contracts Awarded

Ark., Little Rock—Missouri Valley Bridge & Iron Co., Leavenworth, Kan., reported, has contract for substructure for Arkansas River Bridge for Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis; 5 river piers, 2 bank piers in open, 2 abutments. 3-15

Fla., West Palm Beach—See Roads, Streets, Paving.

Ky., Louisville—Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., H. Baldwin, Ch. Engr., Cincinnati, reported, let contract to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., to reconstruct bridge superstructure.

Ky., Louisville—Louisville & Jeffersonville Bridge & Railroad Co., C. A. Pennington, Supt., Fleming Rd., reported, let contract to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., to re-build bridge, steel superstructure, Ohio River, Louisville to Jeffersonville, Ind.; to Walsh Construction Co., Davenport, Iowa, conc. and masonry work, for bridge and approaches; \$3,250,000. 2-23

La., Mansfield—De Soto Parish Police Jury, reported, let contract Welch Construction Co., Natchitoches, \$9,000, for creosoted timber and pile bridge across Bayou Pierre Lake, Howard's Point. 2-23

La., Shreveport—L. E. Thomas, Mayor, reported, let contract to Wisconsin Bridge & Iron Co., North Milwaukee, Wis., for 500 tons struct. shapes for Market St. viaduct. 3-15

Mississippi—See Roads, Streets, Paving.

Miss., Vicksburg—J. R. Kreis Co., 307 Burwell Bldg., Knoxville, contr. for dirt fill, railroad work and tunnel, for Mississippi River Bridge, reported, sublet contracts to R. H. Taylor, Birmingham, Ala.; T. T. Sweet Bridge Co., Memphis, Tenn.; L. C. Carey, Virginia Bridge and Iron Co., Roanoke, Va., making caissons shafting. 1-26

Mo., St. Louis—Bd. of Public Works, reported, let contract to Missouri Rolling Mills Corp., 6800 Manchester St., for 280 tons rein. steel, southern approach to municipal Mississippi River Bridge. 1-26

Tenn., Lookout Mountain—J. B. Pound, Mayor, reported, let contract to Steel & Leby, Holston Bk. Bldg., Knoxville, \$17,971, for 260-ft. conc. viaduct, 24-ft. wide. 1-26

Tenn., Perryville—National Construction Co., Barnett Bldg., Jacksonville, Fla., reported, has contract, \$571,952, for Tennessee River Bridge, Perryville. 12-15-1927

Tex., Edinburg—See Roads, Streets, Paving.

Va. Wise—State Highway Comm., Richmond, reported, let contract to Haymes & Lawrence, Salem, \$21,832, for 120-ft. steel truss span across Round River, Wise County, Route 119. 3-1

### Canning and Packing Plants

Ark., Ashdown—Ashdown Truck Growers' Assn., reported, interested in canning plant.

Fla., Haleah—Dade Canning and Preserving Co., capital \$50,000, incorporated; C. F. Dietz, A. Williams.

Fla., Palmetto—Gentile Bros., reported, erect packing plant addition; lumber and corrugated iron; 1½-story, 100x75 ft.; equip with modern machinery.

N. C., Hendersonville—Farmers Federation, Inc., Seventh Ave., Geo. E. Evans, Mgr., reported, establish cannery.

Okl., Ardmore—W. F. Akin, Seneca, Mo.,

reported, interested in building canning plant.

Tex., Hitchcock—Carl Nessler, Texas City, reported, interested in vegetable canning plant; has building, install \$12,000 equipment.

Tex., San Benito—George S. Wenger, Sec., Gypsum Canning Co., Port Clinton, O., and John H. Shary, Mission, reported, interested in establishing 2 canning plants.

### Clayworking Plants

Tex., Bastrop—H. L. Perkins, reported, interested in locating brick plant.

Tex., Luling—Chamber of Commerce, reported, negotiating with capitalists for brick plant.

W. Va., Newell—Kenilworth Tile Co., erecting addition to floor, wall and mantel tile plant; tunnel kiln building 226 ft., and additional building 80x40 ft.; hollow tile and vit. brick, concrete floors; cost \$85,000; Robertson Kiln Co., Haines Bldg., Cleveland, O., contractor for tunnel kiln; Jno. T. Campbell, East Liverpool, O., for brick and tile work; Claude Nease, Archt. 3-15

### Coal Mines and Coke Ovens

Oklahoma—E. V. Graham, Vice-Pres., Middle West Utilities Co., Edison Bldg., 72 W. Adams St., Chicago, Ill., advises rumor regarding negotiations for purchase of Peabody Coal Co. incorrect; grew out of a plan to sell to Peabody Coal Co. certain coal properties of public utilities companies. 3-15

Va., Staunton—Terry Coal Co., Inc., Hugh B. Sproul, Pres., increased capital, \$50,000 to \$100,000.

### Cotton Compresses and Gins

Ark., Arkadelphia—Arkadelphia Compress Co. let contract to Bennett & Thomas, Magnolia, for 160x500 ft. plant, frame, comp. roof; daily output 1000 bales.

Fla., Milton—Milton Gin and Warehouse Co., Inc., C. W. Cobb, Sec., erect plant, brick and frame, conc. floors, iron roof; install cotton gin and press. See Want Section—Machinery and Supplies.

Miss., Coffeeville—Coffeeville Gin, reported, purchased from Gullett Gin Co., Amite, La., cotton ginning machinery; increase capacity to 200 bales daily.

Okl., Taloga—Farmers Gin Co., Steve Miller, Mgr., erect cotton gin, sheet iron, conc. floor, iron roof; purchased all equipment except electric motor. See Want Section—Machinery and Supplies.

Tex., Joquin—W. L. Womack, Tenaha, reported, construct \$20,000 cotton gin.

Tex., Raymondville—J. J. Mayfield, reported, expend \$27,000 improving cotton gin.

### Cottonseed-Oil Mills

Tex., El Paso—Southwestern Irrigated Cotton Growers' Assn., Gowan Jones, Pres., First National Bank Bldg., reported, erect \$150,000 cottonseed mill.

### Drainage, Dredging and Irrigation

Tex., Edinburg—Hidalgo County Comms. interested in formation Water Control and Improvement Dist. No. 8, contemplate bond issue.

Tex., Edinburg—Hidalgo County Water Improvement Dist. No. 5, reported, let contract to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio at \$25,000 for pipe line extension, Progresso Dist., Mercedes; A. Tamm, Engr., Harlingen. 2-9

Tex., Hidalgo—Rio Bravo & Irrigation Co., capital \$1,000,000, chartered; Lon P. Piper, J. E. Pate, W. B. Garrett.

### Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Athens—City, reported, votes Mar. 26 on sale of power plant to Alabama Power Co., Birmingham.

Ala., Mobile—See Water Works.

Arkansas—Arkansas Power & Light Co., Pine Bluff, advises no definite date set for construction of second dam planned by com-

pany on Ouachita River; are boring for foundation.

Ga., Forsyth—City, reported, plans selling light and power distribution system.

Ky., Paducah—City, Ernest Lackey, Mayor, reported, making survey for power plant.

La., Shreveport—Hollywood Public Utilities Co., Inc., A. C. Steere, Slattery Bldg., distributing water, gas and electricity to industrial community, may erect electric plant. 3-15

La., Shreveport—Southwestern Gas & Electric Co., Marshall St., reported, construct \$3,000,000 steam power plant in North Louisiana, East Texas or Southwest Arkansas.

Maryland—Suburban Light and Power Co., completed organization with Geo. W. Woolford, Pres., Eastern Shore Trust Co., Cambridge; Roy M. Meade, 13480 Lake Ave., and J. M. Price, Jr., Vice-Pres., both Cleveland, Ohio; C. R. Arbaugh, Sec.-Treas., Cleveland; E. E. Ledegar, Chrm. Bd. of Directors; construct power system in Southern Maryland; Clarence W. Miles, Atty., Munsey Bldg., Baltimore. 3-1

Mo., Clayton, Ind., Br., St. Louis—Business Men's Assn., reported, soon call for bids for white way on Meramec, Central, Forsyth and Carondelet Aves.

Mo., Kennett—City, reported, voted to install electric plant.

Mo., Marshall—City voted \$80,000 light plant bonds. 3-1

Mo., Noel—City, reported, have white way installed by Empire District Electric Co., 414 Joplin St., Joplin.

Mo., St. Louis—G. L. Tarlton, 411 N. Seventh St., reported, low bidder at \$2,235,985, for downtown lighting system. 2-23

N. C., Charlotte—Edward Smith, Independence Bldg., Charlotte, reported, has contract for grading in connection with Duke Power Co.'s second Mountain Island project. 3-15

N. C., Hickory—Southern Public Utilities Co., Charlotte, reported, install white way.

N. C., Walnut Grove—City, reported, ratified sale of light plant to Southern Public Utilities Co., Charlotte. 3-1

Okl., Lawton—Wolverton Brothers Light & Power Co., capital \$25,000, incorporated; C. A. and W. F. Wolverton.

Tex., Amarillo—Southwestern Public Service Co., reported, let contract to Amarillo Landscape Co. for converting ground around power plant into park. 5-26

Tex., Fort Worth—City, reported, install ornamental lighting system, Camp Bowie Blvd.

Tex., Port Arthur—J. P. Logan, Mayor, reported, install white way on Stillwell Blvd.

Va., Danville—City, reported, install automatic stokers at light plant; \$30,000.

Va., Heathsville—East Coast Utilities Co., Richmond, reported, extend light and power service to Northern Neck section.

Va., Lexington—Middle West Utilities Co., 72 W. Adams St., Chicago, Ill., reported, acquired power plant of Virginia Public Service Co.

Va., Shenandoah—Shenandoah Milling Co., reported, construct hydro-electric plant on Shenandoah River, dam 500 ft. long, 20 ft. high; F. T. Amisse, Luray, C. E.

West Virginia—Appalachian Electric Power Co., Bluefield, Va., reported, construct sub-station in Williamson district on Kentucky side Tug River, 50x150 ft.; \$150,000.

### Fertilizer Plants

Md., Baltimore—Bowker Chemical Co., Bowker Chemical Bldg., 419 Fourth Ave., New York, advises plan to rebuild burned plant at earliest possible date; have not definitely decided on character of buildings nor exact location.

### Flour, Feed and Meal Mills

Md., Baltimore—Wm. Levinsohn, 3703 Reisterstown Rd., reported, acquired Milford Grist Mill, Gwynns Falls, Milford Rd.

Miss., Durant—A. B. Clements, W. P. Taylor, reported, interested in establishing feed manufacturing plant.

Mo., North Kansas City—National Milling Co., Toledo, O., reported, having plans prepared by Louis Wirsching for flour mill.

Okl., El Reno—Farmers Mill & Grain Co., 620 S. Evans St., clearing ground for erection custom grinding and grain elevator; 24x60 ft. warehouse and feed mill, 40,000 bu. elevator; frame, iron clad; wood floors; iron roof; cost \$15,000; day labor; R. L.

Johnson, Elev. Builder in Charge; Long Bell Lumber Co., Kansas City, Mo., furnish lumber. See Want Section—Machinery and Supplies. 3-15

Okl., Enid—Pillsbury Milling Co., Minneapolis, Minn., reported, construct \$1,000,000 1,000,000-bu. elevator and 3500-bbl. flour mill; 5 tracks, main building 300x75 ft.

### Foundry and Machine Plants

Ala., Birmingham—National Cast Iron Pipe Co., P. C. Jackson, Pur. Agt., advises extending facilities for making de Lavaud centrifugal cast iron pipe; annealing furnace furnished by Ryan, Scully & Co., Philadelphia, Pa.; conveyor car for furnace, United States Cast Iron & Foundry Co., Amer. Tr. Bldg. 3-15

Ga., Atlanta—Cotton Mill Equipment—Atlanta Textile Supply Co., Austell Bldg., reported, plans \$30,000 factory.

S. C., Greenwood—Textile Specialties—Aldrich Machine Works, Robert and A. P. Aldrich, Jr., Owners, reported, let contract to Greenwood Lumber Co., for rebuilding burned plant on Dixie Highway; 40x148-ft., brick, heavy metal roof with insulation, steel trusses, steel sash, fireproof. 3-8

Tex., Houston—Hahn & Clay, 102 Milan St., reported, let contract to C. F. Paveto, 905 Birdsall St., for 1-story, 94x115-ft. blacksmith and machine shop, Chenevert and Franklin St., corrugated iron.

### Gas and Oil Enterprises

Ark., Booneville—Public Service Co. of Arkansas, reported, let contract to Dixie Construction Co. for water works, distribution system and natural gas distribution system.

Ark., Fort Smith—K. Rodgers Oil, Inc., First Nat. Bank Bldg., R. K. Rodgers, Pres., will erect 40x100 and 24x30 ft. buildings, install pumps. See Want Section—Machinery and Supplies.

Fla., Fort Lauderdale—Fort Lauderdale Oil Co., incorporated; W. A. Gardner, Alma Witt.

Fla., Winter Park—Ward-Barnum-Schultz, Inc., chartered; H. A. Ward, H. W. Barnum.

Ky., Cynthiana—Central Kentucky Natural Gas Co., Lexington, reported, applied for franchise.

Ky., Owensboro—Tri-Co. Oil and Gas Co., capital \$100,000, incorporated; Charles T. Smith, Fred L. Weir.

La., Lake Charles—Kelso Petroleum Corp., Inc., capital \$75,000, incorporated; Chas. A. Storer, 615 Iris St.

La., Mansfield—Smith Production Co., Inc., capital \$50,000, chartered; A. O. Smith, 483 Main St., Poughkeepsie, N. Y.

La., Minden—Moran Co., Shreveport, reported, applied for gas franchise.

La., New Orleans—Gusher Bill Oil and Gas Co., capital \$150,000, incorporated. Wm. H. Rowe, Peter Stiff.

La., New Orleans—New Orleans Public Service, Inc., 201 Baronne St., and Williams Construction Co., reported, lay 22-in. gas mains from upper city limits to company's gas plant.

La., Port Allen—Louisiana Natural Gas Co., reported, applied for gas franchise.

La., Shreveport—Shreveport-El Dorado Pipe Line Co., Coml. Bk. Bldg., reported, let contract to M. W. Kellogg Co., 7 Dey St., New York, for cracking still unit, etc.

La., Shreveport—Natural Gas Production Co., capital \$500,000, incorporated; Newton P. Hutchinson, Providence, R. I.; Robt. J. Thorne, 231 N. LaSalle St., Chicago; produce natural gas in Northwest Louisiana and East Texas.

Miss., Hattiesburg—Southern Oil and Refining Co., Carter Bldg., capital \$250,000, organized; Burt T. Jarvis, Bob Dossett.

Mo., Jefferson City—Chambers Oil Co., incorporated; Tom C. Chambers, Jefferson City; L. T. Proctor, Columbia.

Mo., Kansas City—Industrial Gas Co., 801 Board of Trade, reported, soon begin work on gas line from company's field in Texas Panhandle to Kansas City; Smith Bros., Inc., Contrs., Santa Fe Bldg., Dallas, Tex. 8-11

Mo., Kirksville—National Utilities Co., incorporated; Marcus Baxter, 814 Michigan, Evanston, Ill.

Oklahoma—Winchester Oil and Gas Co., Blackwell, reported, granted franchise in Shattuck, Gage, Fargo, Woodward, Wynoke, Mooreland, Alva, Cherokee, all of Oklahoma, and 3 towns in Texas.

Okl., Hattiesburg—Charles N. Haskell, Muskogee, reported, build pipe line, Harts-horne, Wilberton to Haileyville.



Tenn., Butler—Bristol Gas & Electric Co., Charles E. Ide, Mgr., Bristol, reported, construct transmission line here to Mountain City; acquired Roans Creek Light & Electric Co.

Tenn., Memphis—Guaranty Co. of New York, Harris, Forbes & Co., New York, offering \$2,275,000 first and refunding mortgage gold bonds, Series C, 4½% of Memphis Power & Light Co.

Texas—Prairie Pipe Line Co., Independence, Kan., reported, construct 6-in. pipe line from Borger area in Panhandle field to southwestern Hutchinson County.

Texas, Baird—Rover Drilling Co., capital \$20,000, incorporated; T. S. Gillis, Ralph Redd.

Texas, Amarillo—Prairie Pipe Line Co., Independence, Kan., reported, build line in Moore County; extend Kingsmill line.

Texas, Cameron—Community Natural Gas Co. (subsidiary of Lone Star Gas Co., 1915 Wood St., Dallas), reported, establish gas system.

Texas, Claude—Panhandle Power & Light Co., Panhandle, Tex., reported, acquired light and power plant.

Texas, Dallas—Blue Bonnet Oil Refining Co., capital \$50,000, incorporated; John T. Withers, Jr., 2831 Penna. St.

Texas, Eagle Pass—S. R. Morgan & Co., Rector Bldg., Little Rock, reported, applied for gas franchise.

Texas, Gorman—Kokomo Petroleum Co., capital \$25,000, incorporated; B. L. Kuedell, J. L. Lary.

Texas, Houston—Texas Border Gas Co., incorporated; W. L. Moody, 3rd, Galveston.

Texas, Laredo—Moody-Seagraves Interests, Houston, reported, acquired South Texas Gas Co.

Texas, Lenkey—Central Power & Light Co., Frost Bldg., San Antonio, reported, install lighting system.

Texas, McAllen—Palm City Oil Co., incorporated; Frank Rettig, J. L. Hatcher.

Texas, Monahans—Crystal Oil Refining Co., Shreveport, La., reported, construct \$400,000.

Texas, Port Aransas—Humble Oil & Refining Co., Houston, reported, extending pipe line to Harbor Island, erect two 80,000-bbl. tanks.

Texas, Ranger—Lone Star Gas Co., 1915 Wood St., Dallas, reported, acquired casing-head gas line absorption plant; will operate.

Texas, San Antonio—Field, Gloré & Co., Chicago, Ill., Lehman Bros., Redmond & Co., Halsey, Stuart & Co., Inc., all New York, The Cleveland Trust Co., and Otis & Co., both Cleveland, O., and Union Trust Co., Pittsburgh, offering \$7,500,000 30 yr. 5% first mortgage and refunding gold bonds of San Antonio Public Service Co.; proceeds to be used in part for acquisition of Comal Power Co.

Texas, Stanton—West Texas Gas Co., Amarillo, reported, construct pipe line.

Texas, Taylor—City, reported, interested in installation of natural gas system.

Texas, Wheeler—Magnolia Gas Co., subsidiary of Magnolia Petroleum Co., Magnolia Bldg., Dallas, reported, making survey for 300 mi. natural gas pipe line Wheeler County field to Fort Worth.

W. Va., Huntington—Delta Gas Co., capital \$10,000, incorporated; L. L. McClure, 1214 12th St.

W. Va., Kenova—Tri-State Refining Co., reported, expending \$200,000 for cracking unit to supplement skimming unit; increase tank capacity; Graver Corp., East Chicago, Ind., reported, erecting 15 tank capacity, 6000 to 10,000 bbls.

W. Va., Marshville—Gawthrop Oil and Gas Co., capital \$25,000, incorporated; Carr and E. R. Gawthrop.

W. Va., Moundsville—Cities Service Power Co., 60 Wall St., New York, reported, construct power plant on Ohio River opposite Moundsville; acquired electric franchise, including street car line between Sistersville and New Martinsville.

### Ice and Cold-Storage Plants

Ala., Mobile—J. B. McDonough, Whistler, Ala., reported, has permit for ice factory, Fulton rd., conc. and brick, comp. roof.

Fla., Melbourne—See Land Development.

Fla., New Smyrna—East Coast Ice & Water Co., incorporated; E. K. Anders, G. L. Murhee.

Ga., Brunswick—Glynn Ice Co., reported, construct ice distribution depot, Norwich and K St.

Ga., Tallapoosa—Anniston Ice & Coal Co., Anniston, Ala., erect 40x80-ft. plant, brick,

concrete floor; install \$17,000 equipment. 3-15

Ga., Tifton—South Georgia Power Co., Central Ave. and Second St., improve ice plant.

Mo., Kansas City—City Ice Co., 21st and Campbell St., reported, purchased plant Leeds Ice Co., cor. Highway No. 40 and Tilden Ave.; operate as distribution depot. 2-15

Okla., Oklahoma City—Campbell & Price, 1701 W. 16th St., has permit for \$12,000 ice plant.

Okla., Shawnee—E. A. Liebman, 3509 Clasen St., Oklahoma City, reported, construct \$75,000 ice plant.

Texas, Houston—York Engineering Co., York, Pa., reported, installed \$15,000 cold storage plant for Hill Wholesale Produce Co.

Texas, Houston—Navigation Ice Co., organized by Fred Raubold, C. M. Vaden, establish plant Navigation Blvd. and 68th St., 2-story, 40x135-ft., rein. conc., hollow tile, brick; E. V. Crawford, Contr.; \$15,000.

Texas, Houston—Southern United Ice Co., subsidiary of United Pub. Service Co., Ernest Jacobson, Pres., 100 W. Monroe St., Chicago, offering \$1,000,000 first mortgage 6½% sinking fund gold bonds, series B, through Hambleton & Co., Baltimore, Md.; Thompson, Ross & Co., Chicago, Ill. Company (New Jersey Corp.) owns manufacturing plant and storage facilities in Memphis, Tenn., Houston, Tex.; Shelbyville, Ill.; Jackson and McComb, Miss.; Hammond, La., etc.; upon acquisition of properties now under contract will have additional plants in Meridian and Newton, Miss.; properties now owned and to be acquired comprise 26 ice manufacturing plants and 19 storage and distributing substations. 2-18

### Iron and Steel Plants

Ala., Alabama City—Tennessee Coal, Iron & Railroad Co., reported, furnish 120 tons blast furnace work for plant of Gulf States Steel Co.; to be fabricated by Reeves Bros. Co., all Birmingham. 1-19

Mo., St. Louis—Kaysing Iron Works, Wm. G. Kaysing, Pres., 2525 Montgomery St., erecting steel shop, 29,000 sq. ft.

Texas, Houston—Markel Steel Co., C. C. Muir, V. Pres., Box 1525, advises plans for contemplated warehouse indefinite. 1-5

### Land Development

D. C., Washington—Comm. of Fine Arts, reported, approved plans of Horace W. Peaslee, 1234 19th St., N. W., for developing lower garden of Meridian Hill Park.

Fla., Coral Gables—Queens Realty Corp., incorporated; M. L. Sumner, Laidlow Southwest Bldg.

Fla., DeLand—Central Building & Investment Co., incorporated; G. W. Pantan, H. I. Claffin.

Fla., Fort Pierce—Marluce Land Co., incorporated; H. J. Dame, H. F. Hamel.

Fla., Gainesville—Thrasher Properties, Inc., capital \$50,000, incorporated; J. S. Bodiford, M. M. Parrish.

Fla., Homestead—Homestead Investment Co., incorporated; C. T. Fuchs, Jr., R. O. Wadleigh.

Fla., Howey-in-the-Hills—Howey-in-the-Hills Co., incorporated; W. J. Howey.

Fla., Longwood—W. N. Reynolds, Winston-Salem, N. C., and associates, reported, acquired 300 acres land, mile circular track, clubhouse, grandstand, etc., of Seminole Racing Club; develop; building small hotel, bridge paths, swimming pool.

Fla., Melbourne—Leghorn Development Co., R. P. Ellis, Pres., develop 47½ acres on Dixie Highway and Indian River for cold storage and packing plant, with dockage on East Coast Canal and spur tracks on Florida East Coast R. R., also residence and business section; install gas, water, sewers, electric lights. 3-8

Fla., Miami—Michelsen Groves, Inc., chartered; Hamilton Michelsen, 132 S. Miami Ave.

Fla., Miami—McClung Corp. incorporated; J. W. Usher, Jr., 600 N. W. 36th St.

Fla., Miami—F. B. Miller & Co., 30 S. E. First Ave., reported, acquired 1600 acres in Redlands district; develop avocado grove; remainder for subdivision.

Fla., Orlando—E. F. Elwell Co. incorporated; E. F. Elwell, Phillips Bldg.

Fla., Orlando—Albertson Co. incorporated; G. F. R. Albertson, 315 E. Concord St.

Fla., Sebring—Hamilton Real Estate Corp. incorporated; J. O. Wilson, C. A. Skipper.

Fla., St. Petersburg—Florida Keys Development Co. incorporated; L. H. McMasters, West Coast Title Bldg.

Fla., West Palm Beach—George C. Tinsley, Inc., chartered; Geo. C. Tinsley, Sunset Rd.

Ga., Valdosta—City, reported, develop 45-acre park.

La., Geismar—Glenn Development Co., capital \$125,000, incorporated; L. N. Dantzer, D. J. Gay, both Biloxi, Miss.

La., St. Gabriel—Iberville Land & Development Co., Inc., chartered; J. W. Allen, Palquimine; Jesse E. LaBlanc, St. Gabriel.

Mississippi—N. W. Waters, Ensley, Ala., reported, acquired 24,000 acres cut over land in Lamar county; probably develop homesites; build roads.

Mo., Florissant—Dunn Farm and Realty Co., capital \$40,000, incorporated.

Mo., St. Louis—B. P. Owen Organization, Fresco Bldg., reported, develop sub-division on Clayton Rd.

Mo., St. Louis—Carter Realty Co., 316 N. Hills Dr., reported, develop 120-acre tract.

Mo., St. Louis—Meier & Comfort, Inc., Seven Gables Bldg., reported, develop Picardy Lane, 80-acre sub-division.

N. C., Asheville—Violet Memorial Park Co., capital \$100,000, incorporated; Walter D. Lewis, 124 Woodfin St., develop cemetery on Beaver Dam Rd.; construct roads.

N. C., Burlington—Alamance Insurance & Real Estate Co., E. Main St., developing Brookwood, W. Davis St., subdivision; install water and sewers.

N. C., Charlotte—Poplar Gables Realty Co., capital \$50,000, incorporated; E. T. Cansler, Jr., 4 Hermitage Rd.

N. C., Statesville—C. C. Realty Co., Inc., capital \$150,000, chartered; T. H. Tise, C. W. Rawlings.

Tenn., Brownsville—City, reported, plans park development.

Tenn., Chattanooga—City, reported, plans improving parks, golf course.

Tenn., Knoxville—Tallassee Land Co., 512½ Market St., Asa Hazen, Pres., has 3600 acres in Blount and Monroe Counties; develop 2000 acres for summer camps, homes, recreational grounds, etc.; construct golf links, tennis courts, store, postoffice, filling station, assembly halls, camp houses, etc.; expend \$200,000. (See Want Section—Machinery and Supplies, Building Material and Equipment.)

Tenn., Trezevant—Trezevant Cemetery Assn., J. Gardner Holmes, Chrmn., reported, plans enlarging cemetery.

Texas, Dalhart—O. V. Hartshorn, reported, interested in Mennonite colonization in Dallam County; 14,000 acres.

Texas, Hereford—F. C. Cotton Silver Fox Co., Amarillo, reported, acquired 648 acres Deaf Smith county land for ranch.

Texas, Houston—Desmar Holding Corp., incorporated; H. Fowle, Sr., 1311 Barkdull St., Margaret Henderson.

Texas, San Antonio—H. C. Thorman, Pres., 125 E. Travis St., Northside Investment Co., reported, develop Park Place subdivision; install water, sewer, gas, electric lights.

Texas, San Benito—J. H. Hallie, 611 Quincy St., San Antonio, reported, acquired tract, Holly Beach; will develop.

Texas, Wickett—Wickett Townsite Co., incorporated; G. W. O'Brien, S. B. Edwards.

Va., Cherrydale—Mount Caleb Orchards, Inc., capital \$100,000, chartered; E. P. Mertz, George E. H. Goodner.

Va., Norfolk—Mapleshade Realty Corp. incorporated; Joseph R. Ives, Dickson Bldg.

Va., Richmond—Sherwood Land Co., O. H. Funston, Pres., 1815 Monument Ave., reported, develop Sherwood Park subdivision; 180 acres; expend \$75,000; Allen J. Saville, Inc., contract for laying sidewalks; install gas, sewer and water. 2-23

W. Va., Moundsville—Riverview Memorial Park and Cemetery Co., incorporated; M. A. Sybert, 305 Morton Ave.

### Lumber Enterprises

Arkansas—Merger of Leslie Lumber & Supply Co., 300 State St., Pine Bluff, and E. C. Barton, Inc., Jonesboro, reported, probably operate under new name, plans not yet completed.

Fla., Tampa—Hillsborough Lumber & Supply Co., capital \$50,000, incorporated; K. I. McKey, 205 Zack St.

Fla., West Palm Beach—Consolidated Lumber Co. chartered; James Ebert, Palm Ave.

Ky., Grayson—Bagby Lumber Co., incorporated; R. M. and J. A. Bagby, W. F. Wollen.

Mo., Farmington—Tetley-Klein Lumber Co. incorporated; Lionel and Betty H. Tetley.

N. C., Belmont—Belmont Lumber Co., capi-

tal \$50,000, incorporated; S. Elmer Spencer, 312 Chester St., Gastonia; W. Marshall Moore, Jr., Belmont.

Tenn., Harriman—Stowers Lumber & Mfg. Co., reported, rebuild burned portion hardwood mill; install generator.

Tex., Ballinger—E. M. Boon, Brownwood, reported, acquired site, erect \$25,000 lumber yard.

Tex., Floydada—South Plains Lbr. Co., W. I. Cannaday, formed by merger of Panhandle Lbr. Co. of N. M. and Floyd County Lumber Co., increased capital to \$200,000; expanding. 3-15

Tex., Loraine—Frost Lumber Industries of Shreveport, La., purchased through Kennan-Scott Co., sawmill and equipment of Waterman Lumber Co., Panola County.

E. A. Frost advises acquired property and will operate in connection with group of plants already owned; no change in organization.

### Mining

Ark., Bauxite—American Bauxite Co., main office Pittsburgh, Pa., reported, plans expanding operations.

Ga., Columbus—R. D. Smith, reported, leased gravel pit on Bull Creek; will develop.

N. C., Burnsville—Feldspar Milling Co., capital \$500,000, incorporated; J. F. Shinn, Norwood; J. L. Hyatt, Burnsville; C. B. Hyatt, 69 Edwin Pl., Asheville.

Okla., Paula Valley—D. R. Clutter, Mining Engr., reported, has under lease 5000 acres copper deposits, Gavin County; work under way; also 8000 acres of proven lead and zinc, Murray County.

Texas—A. A. Snell, Beaumont, reported, applied for permit to prospect for nitrate on 4000 acres State land, Presidio County. 12-8

Va., Geer—Marshall Haney, Geer, Va., plans manganese mine. See Want Section.

### Metal-Working Plants

La., Shreveport—Metal Products—Simmons & Nusser, Inc., 515 Main Agurs St., capital \$15,000, chartered; E. S. Nusser.

### Miscellaneous Construction

Ala., Birmingham—Virginia Bridge & Iron Co., Birmingham, reported, furnish 150 tons struct. steel for river terminal at Birmingham. 3-1

Fla., Longwood—Swimming Pool—See Land Development.

La., Shreveport—C. W. Longwill, Sec.-Mgr., Chamber of Commerce, advises plans for construction river terminal not definitely under way. 2-15

Tex., Corpus Christi—Robert Driscoll, Chrmn. Navigation Comm., G. and C. Bldg., reported, let following contracts: Summer-Sollitt Co., Bankers and Mortgage Bldg., Dallas, at \$193,900 for transfer shed and wharf extension with area 60,000 sq. ft.; Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa., at \$6500 for 100,000 gal. tank on 100-ft. tower; The Grinnell Co., Providence, R. I., at \$83,000 for sprinkler system. 3-1

Tex., Houston—See Railway Shops and Terminals.

Tex., Texas City—Galveston County Comm., receive bids Mar. 26 for levee protection. See Want Section—Bids Asked. 3-15

Va., Newbern—Mausoleum—Col. Charles B. Bryan of New York and Newbern, reported, interested in constructing mausoleum, Cedar Grove Cemetery.

Va., Norfolk—City Council, reported, expend \$40,000 rebuilding municipal incinerators; J. D. Corbell, Deputy City Clk.

Va., Norfolk—Jetties—See Roads, Streets, Paving.

Va., Norfolk—Craig Brothers, 412 Rose Ave. (Ship Builders), reported, have permit for extending pierhead line, north side, Eastern Branch, Elizabeth River, 125 ft.

W. Va., Welch—G. C. Johnston Construction Co., reported, has contract at \$17,000 for swimming pool, for Coney Island Amusement Co., Southwood addition.

### Miscellaneous Enterprises

Ala., Decatur—Albany Broom Works, Moulton St., reported, leased adjacent building; double capacity.

Ala., Dothan—Dothan Casket Co. advises having estimates made on rebuilding burned plant; 5 or 6 months before ready for machinery.

Ala., Mobile—Continental Roofing & Manufacturing Co., Tacoma St., reported, acquired site, Murrell tract; plans not announced.

Ark., Conway—Faulkner County Co-operative Assn., care of Sec. Chamber of Commerce, reported, plans \$40,000 milk plant, brick, struct. steel; install plant and office equipment.

Ark., Harrison—Gaither Mountain Poultry Farm, W. D. Gibson, Mgr., reported, plan rebuilding burned brooder building, brick, comp. roof, \$30,000; J. D. Levy, Owner, care Pierce Oil Corp., 1709 Locust St., St. Louis, Mo. 3-8

Ark., Pine Bluff—Hall Grocery Co., 728 Main St., increased capital \$75,000 to \$170,000; reported may establish dairy plant, etc.

D. C., Washington—Chestnut Farms Dairy, Inc., 26th and M Sts. and Pennsylvania Ave. N. W. offering \$1,000,000 7% cumulative preferred stock through Crane, Parris & Co., 823 15th St. N. W.; company owns plant in Washington; receiving stations at Frederick, New Midway and Walkersville, Md.

Fla., Avon Park—Publishing—Sun Court, Inc., \$17,000, chartered; Gilbert Freeman, E. O. Williams.

Fla., Interlachen—J. T. Miller Turpentine Co., capital \$50,000, incorporated; J. T. and G. C. Miller.

Fla., Leesburg—Printing—A. W. Swaverly Co., incorporated; A. W. and C. A. Swaverly, T. M. Sellar.

Fla., Melbourne—See Land Developments.

Fla., Moore Haven—Lence Hatchery, Inc., incorporated; D. L. and L. G. Lence, J. P. Tatum.

Fla., Orlando—Mount Plymouth Construction Co., capital \$40,000, incorporated; H. C. Dann, 603 Hillcrest St.

Fla., Tampa—Florida Life Publishing Co., incorporated; Gordon and E. M. Nye, 1003 E. 31st St.

Fla., Venice—Venice Tile Co., R. W. Ridgeley, reported, plans building plant to make Spanish and mosaic tile.

Ga., Atlanta—J. J. Mangum, reported, receiving bids to repair 3-story brick building, 506 Stewart Ave., S. W., occupied by Wilson Shirt Co.

Ky., Henderson—Henderson Creamery Co. increased capital, \$25,000 to \$60,000.

Ky., Louisville—Printing—Merger of Caxton Co., 126 S. 3rd St. and A. C. Reis Co., 309 S. 9th St., reported, operate as Caxton Co., V. J. Burger, Pres.

Ky., Scottsville—Washington Overall and Manufacturing Co., Nashville, Tenn., reported, plans erecting \$25,000 plant, Welch property; 3-story, daily output 1600 garments.

La., Baton Rouge—Wm. Wolf Bakery, Inc., capital \$70,000, chartered; Anthony Wolf, 850 Lake View Lane.

La., Crowley—A. B. Dore, reported, erect rice mill, 3-story, 40x50 ft., moving portion material from Iota; \$12,000.

La., New Orleans—American Barge Line Co., capital \$1,500,000; Patrick Calhoun, V. Pres., Memphis, Tenn., formed by consolidation of W. C. Kelly Barge Line, Charleston, W. Va., and Inland Waterways Co., 316 W. Jefferson St., Louisville, Ky.; establish regular barge line service between New Orleans and Mississippi and Ohio River points.

La., Ruston—Ruston Steam Laundry, Inc., capital \$40,000, chartered; J. R. Kendall J. B. Staples.

Md., Baltimore—Chesapeake Paper Board Co., Wm. W. Karner, Sec., Key Highway and B. & O. R. R., have plans under way for additional units; 2-story, 85x200-ft. beater room; 1-story, 40x260-ft. machine room; 1-story, 80x120-ft. stock room; conc., brick and steel; increase capacity to 150,000 lbs. per 24 hrs.; part of machinery purchased; Karl A. Lefern, Archt.-Engr., 171 Madison Ave., New York City. 2-16

Md., Baltimore—International Paint Corp., Colgate Creek and Pennsylvania R. R., making plant improvements; work by company's force.

Md., Cumberland—Celanese Corp. of America, Arthur J. Fitch, Works Mgr., let contract to Hughes-Foulkrod Co., Schaff Bldg., Philadelphia, for 2 additional chemical factories, Amcelle, for Celluloid Corp.; McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., has contract for struct. steel. 3-15

Md., Salisbury—Eastern Shore Fur Co., incorporated; Ernest H. Burns, Pres.-Mgr.; has plant for curing 15,000 muskrat hides at one time.

Mississippi—Central Power & Light Co., R. L. Grissom, Mgr., Natchez, Miss., advises group of Southern Mississippi business men plan building within year \$4,000,000 paper mill; location of mill not definitely decided; probably be Ten Mile; surveys under way.

Miss., Jackson—Jackson Baking Co., 225

E. Capitol St., Charlie Scott, Pres., reported, started work on new bakery, S. President St.; \$30,000 to \$40,000; install additional equipment.

Miss., Sturgis—J. A. McReynolds and associates interested in establishing cheese plant.

Mo., Clayton—Mechanical Device—National Electric Rabbit Co., incorporated; John Gleason, Jr., 4528A Flora Bldg.

Mo., Columbia—Bartholomew Battery & Supply Co., 4247 Beethavan, St. Louis, reorganized as Sphinx Electrical Mfg. Co., reported, erect plant, daily output 500 batteries.

Mo., Kansas City—Dye Candy Co., A. W. Dye, Pres., 1417 St. Louis Ave., reported, acquired 2-story building, 1522-24 St. Louis Ave., remodel.

Mo., Kansas City—Springless Shade Co., Lewis Shores, Pres., Wichita, Kas., reported, establish plant, 2525 W. Pennway St.

Mo., Kansas City—Kansas City Pipe and Metal Co., incorporated; Max Gordon, 4008 Poses St.

Mo., Kansas City—Work Clothing—Cowden Manufacturing Co., 412 W. Eighth St., Geo. Cowden, Pres., reported, plans 7-story unit to plant, Seventh and Bank St.; 50x121 ft.; J. W. McCallum Construction Co., Contr., 6039 Oak St.; Chester E. Dean, Archt., 508 Reliance Bldg.

Mo., Poplar Bluff—The American Republic, formed by merger of the Inter-State American and The Republic.

Mo., Poplar Bluff—Coca-Cola Bottling Works, J. J. Owens, Oak St., reported, soon receive bids \$45,000 bottling plant and apartment; 2-story, brick; Martin Laubis, Archt., 735 N. Ninth St.

Mo., St. Joseph—St. Joseph News-Press, H. A. Sprague, Publisher, reported, acquired St. Joseph Gazette, continue as separate publications.

Mo., St. Louis—Larkin Packer Co., 6200 Maple Ave., reported, purchased Davis Boring Tool Co., 3693 Forest Park Blvd.

Mo., St. Louis—Great Atlantic & Pacific Tea Co., 3127 S. Grand Blvd., reported, let contract to Austin Co., 16112 Euclid Ave., Cleveland, Ohio, for bakery and warehouse, Mill Creek Valley Dist.; brick, rein. conc.; \$700,000.

Mo., St. Louis—Nafziger Baking Co., 4119 Cook Ave., reported, let contract to Hercules Contg. Co., 912 Wainwright Bldg., for 2-story bakery; 100x160 ft., rein. conc., brick, terra cotta addition; \$60,000; Mississippi Valley Structural Steel Co., Arcade Bldg., furnish 300 tons steel.

Mo., St. Louis—Pipe Fittings, etc.—Midwest Piping & Supply Co., 1452 S. Second St., reported, plans erecting 2-story addition, \$75,000; Klipstein & Rathman, Archts., Security Trust Bldg.

Mo., St. Louis—Vending Machines—St. Louis Auto Fount Co., Inc., chartered; Harry M. Smith, Bonhomme Rd.

Mo., St. Louis—Davis Wrecking & Salvage Co., 6619 Olive St., J. W. Davis, acquired site, Duncan and Boyle Aves.; erect factory and warehouse.

Mo., St. Louis—Samuels Shoe Co., T. R. Samuels, Pres., 3433 N. Bdw., purchased factory site, Laclede Ave. and Sarah St.; plans not completed.

Mo., St. Louis—Foundry Supplies—M. A. Bell Co., Inc., M. A. Bell, Pres., 400 S. Commercial St., organized through merger of Independent Foundry Supply Co., St. Louis, and E. J. Woodson Co., Detroit, Mich., and S. Obermayer Co., Chicago, Ill.; will move to 217 Lombard St. 2-9

Mo., St. Louis—Good Will Laundry Service Co. incorporated; Elmer M. Wilson, 3723 Conn St.

Mo., St. Louis—Clothing—Forest City Manufacturing Co., H. H. Spitzer, Pres., 1631 Washington Ave., leased additional floor space, increase output.

Mo., St. Louis—Coppersmith, etc.—Lachy Bros., Inc., 2414 Menard St., capital \$20,000, chartered.

Mo. Sedalia—Acme Printing and Stationery Co., capital \$50,000, incorporated; Chas. O. Botz, 1316 W. Fourth St.; acquired Botz Printing & Stationery Co.

N. C., Burlington—V. H. Lane, S. Main St., plans erecting 50x50-ft. laundry addition.

N. C., Charlotte—C. O. Hueter, Manager Chamber of Commerce and associates, interested in establishing meat packing plant.

N. C., Greensboro—Contracting—Fanning and Sweeney, Inc., capital \$100,000, chartered; James Fanning, Jefferson Bldg.

N. C., Reidsville—American-La France Fire



Engine Co., Inc., Elmira, N. Y., reported, has contract for firefighting equipment.

N. C., Rocky Mount—D. L. Butler, Gen'l Delivery, plans establishing canning, pickle and preserving units, various locations. See Want Section—Machinery and Supplies.

N. C., Statesville—McElwee-Martin Cigarette Corp., capital \$25,000, chartered; Ross S. McElwee, L. F. Erwin, R. B. Galtner.

Okla., Ada—Ada Creamery Co., capital \$25,000, incorporated; Wm. B. Johnson, Ada; A. A. McPheeters, St. Paul, Minn.

Okla., Cushing—Braymer Rig and Specialty Co., capital \$40,000, incorporated; H. E. Braymer.

Okla., Sand Springs—Sand Springs Creamery Co., incorporated; Robt. M. Baker, J. J. Maloney, both Tulsa; Edw. M. Box, 223 E. Fourth St., Oklahoma City.

Okla., Tulsa—Jamison Construction Co., capital \$30,000, incorporated; G. C. Jamison, 1528 E. 15th St.

Okla., Tulsa—Interior Decorating—E. T. Tennyly & Co., St. Elwood Ave., E. T. Tennyly, Pres., reported, plans \$50,000 building, 75x140-ft.; Endacott, Rush & Rush, Architects.

S. C., Hartsville—F. C. Chitty, Sec. Chamber of Commerce and associates, interested in establishing cheese factory.

S. C., Spartanburg—Isaac Andrews, Pres., Andrews Loom & Harness Co., reported, interested in establishing textile loom factory; \$500,000.

Tenn., Chattanooga—Seminole Fruit Flavor Co., 16 E. 14th St., incorporated; C. D. Little, J. L. Foust, F. L. Underwood.

Tenn., Chattanooga—Home Builders' Service Co., 827 Broad St., capital \$75,000, incorporated; B. H. Bentley, James Vorhey.

Tenn., Johnson City—Toys—Guinn Mfg. Co., E. Maple St., reported, plans rebuilding burned plant; \$50,000.

Tenn., Knoxville—Imperial Cleaners and Dyers, capital \$25,000, incorporated; O. D. Bales, 3222 E. Fifth Ave.

Tenn., Memphis—Davis & Phillips, 1768 Harbert Ave., reported, has contract for 1-story, 40x60-ft. addition, dry cleaning plant, stone tile, steel sash; Mrs. Hazelhurst, 1004 Jackson Ave., Owner.

Tenn., Nashville—Contracting—H. E. Farmer & Co., 801 Fifth Ave., capital \$250,000, incorporated.

Tenn., Nashville—Victor Chemical Co., reported, let contract to Foster & Creighton Co., both 4th and 1st Nat'l Bank Bldg., for \$50,000 plant; conc. and brick.

Tenn., Springfield—Springfield Tobacco Works, Louis B. Rosson, Pres., reported, reorganized and incorporated.

Tenn., Springfield—O. W. and A. G. Templeton, reported, acquired site Greenbrier Rd., erect greenhouse.

Tex., Beaumont—Yount-Lee Oil Co., reported, erect \$40,000 building for Beaumont Well Works, Inc., Laurel and Magnolia Sts., near K. S. C. railroad station, 50x150-ft., fireproof; Austin Co., 16112 Euclid St., Cleveland, Ohio, Builder.

Tex., Beaumont—Texas Dairies, Inc., J. W. Etter, Pres., 1019 W. Woodlawn St., San Antonio, reported, acquired plants of Kewpie Ice Cream Co. in Beaumont and Port Arthur and Purdy Dairy Products in Beaumont; plan extensions.

Tex., Corpus Christi—Grady Kinsolving, Abilene, reported, acquired Corpus Christi Daily Times.

Tex., Edna—M. A. Lee, Port Lavaca, reported, establish hatchery, install 4600-egg incubator.

Tex., Florence—Florence Hat Manufacturing Co. increased capital, \$30,000 to \$50,000.

Tex., Fort Worth—Trailers, etc.—Hobbs Manufacturing Co., N. P. Anderson Bldg., increased capital, \$20,000 to \$30,000.

Tex., Fort Worth—Greenwood Floral Co., capital \$250,000, incorporated; Cullen W. Bailey, 1200 Dorothy Lane.

Tex., Fort Worth—Schepps-Kleber Baking Co., 2301 S. Ervay St., Julius Schepps, Pres., Dallas, reported, plans erecting bakery, Henderson and Peter Smith St.

Tex., Galveston—Todes Building Co., incorporated; Roy Keeling, 1910 24th St.

Tex., Galveston—City Council, reported, soon receive bids for purchase fire boat; J. E. Pearce, Mayor.

Tex., Houston—Gates Chemical Co., Denver, Col., reported, establish \$300,000 chemical manufacturing plant, acquired 3-story building, N. San Jacinto at Mary St., will re-convert.

Tex., Houston—City, reported, plans installing additional traffic signal lights; Oscar F. Holcombe, Mayor.

Tex., Houston—Rossonian Cleaners & Tailors, 919 Fannin St., reported, let contract to W. Goggan, Electric Bldg., for 1-story, 50x70-ft. plant, Alameda Rd., brick, conc. floor, plate glass, install equipment; also erect garage, 36x18-ft., \$21,500.

Tex., Houston—C. J. Patterson Corp., 4050 Penn St., Kansas City, Mo., erect \$250,000 bakery; Fair Baking Co., San Antonio, Tex., Owners.

Tex., Lockhart—Lockhart Creamery, W. B. Swearingen, Sec., reported, plans \$25,000 creamery plant.

Tex., Mineola—Kelpen Ice Cream Co., Terrell, reported, let contract to Mallory Bros. for brick building, install ice cream machinery and milk pasteurizing equipment.

Tex., Point Isabel—San Patricio Canning Co., Aransas Pass, plans building shrimp cannery, 300x45-ft., concrete foundation; hollow tile walls, concrete floor. Address equipment proposals to Aransas Pass office.

Tex., San Angelo—Tullos Bros., reported, erect 25x100-ft. building, Madison and Beaugard St., dry cleaning and dyeing plant.

Tex., San Angelo—Henry Probst, Joe Montgomery and associates, interested in organization of San Angelo Dairy Products Co., capital \$15,000.

Tex., San Antonio—Magnolia Gas Products Co., W. A. Sherman, Pres., main office, Houston, erect 120x50x24-ft. plant, conc. and brick, construction by owner; Keith Dunham Co., 110 S. Dearborn St., Chicago, Ill., furnish oxygen production machinery; Norwalk Co., S. Norwalk, Conn., compressing machinery; General Electric Co., Schenectady, N. Y., electrical equipment.

Tex., Sherman—Interstate Cotton Oil Refining Co., reported, plans \$40,000 addition; manufacture containers.

Tex., Texas City—J. P. Garvey, 2167 Olive Ave., Cleveland, Ohio, reported, acquired Texas City-Mainland Sun, including equipment.

Va., Bristol—Bristol Builders' Supply Co., Inc., F. C. Bonham, Pres., increased capital, \$50,000 to \$300,000.

Va., Hopewell—Hercules Powder Co., Wilmington, Del., reported, plans improvements.

Va., Hopewell—Hummel-Ross Fibre Corp., reported, acquired 50 acres land, plans improvements.

Va., Norfolk—Southern-Maid Peanut Corp., chartered; R. C. Gilliam, 209 W. Princess Anne Rd.

Va., Norfolk—High Rock Ginger Ale Co., subsidiary of General Beverage Co., 944 Madison Ave., Baltimore, Md., reported, establish plant, 114-16 W. Brambleton Ave.

Va., Richmond—Clothing—Nathan Kessler, 2320 Rosewood Ave., reported, interested in \$200,000 company, establish first of series of chain stores cor. 1st and Broad Sts.

Va., Ripplemead—New River Lime Co., Inc., capital \$25,000, chartered; Bernard Mason, Pearisburg; Clay Mason, Ripplemead.

W. Va., Clarksburg—Rolland Glass Co., Eugene Rolland, reported, acquired Lafayette Window Glass plant, all Northview.

W. Va., Logan—Guyan Advertising Corp., chartered; J. N. Dykes, J. D. Daugherty, E. J. Green.

W. Va., Morgantown—Lucas Paint Co., incorporated; W. P. Lucas, 214 Pleasant St.

W. Va., Parkersburg—New Era Publishing Co., capital \$25,000, incorporated; J. Price, W. L. Mengert.

W. Va., Wheeling—United States Corrugated Fibre Box Co., 17th St., reported, plan \$120,000 plant addition; H. J. Lacy, in charge.

W. Va., Wheeling—Rieck Ice Cream Co., incorporated; Thos. J. McCann, Monroe Ave., Court, Wheeling; C. F. Nettrour, Bellevue, Elm Court, Wheeling; C. F. Nettrour, Bellevue.

### Motor Bus Lines and Terminals

Ga., Atlanta—Central of Georgia Ry. Co., C. E. Weaver, Ch. Engr., Savannah, Ga., advises have considered establishment of motorbus line, but definite conclusions have not been reached.

Mo., St. Louis—Truck Terminal Co., incorporated; Robert Matthews, 3276 Labadie St.

Mo., St. Louis—Associated Motors Terminal Co., 117 S. Bdwy., reported, receiving bids for 6-story, automobile service, repair and garage building, 80x100-ft., \$300,000; Gill & Jackson, Buder Bldg., Architects; W. J. Knight & Co., Engrs., Wainwright Bldg.

Okla., Muskogee—Ward-Way, Inc., has permit to extend passenger bus line, now operates between Muskogee and Tulsa, via Haskell, Stone Bluff and Bixby.

Okla., Oklahoma City—Oklahoma City Bus

Terminal Assn., chartered; A. J. Harrell, 701 E. 15th St.

Tex., Dallas—Taylor Freight Lines Co., chartered; W. F. Taylor, 1010 Waverly St.

Tex., El Paso—El Paso Electric Co., Martin Bldg., reported, erect \$35,000 bus garage, W. Magoffin and Cotton Ave., 1-story, 80x80ft., brick.

Tex., Midland—Ellis Howell, reported, interested in establishing bus line between Midland and Chihuahua, Mex., 465 mi.

Va. Norfolk—Pelham W. Bogart, 1415 Cloncurry Rd., H. A. Williams, Jr., reported, acquired and operate Virginia Beach Bus Line, Inc.

W. Va., Ronceverte—Seneca Bus Co., W. G. Gwinn and E. L. Spangler, reported, has permit to operate bus service between Narrows and State line, terminal at Ronceverte.

### Motor Cars, Garages, Filling Stations

Ala., Mobile—J. M. McCown, McCown Oil Co., Old Shell Rd., erecting \$20,000 oil and tire station cor. Washington Ave. and Tennessee St.; Jett-Quill Construction Co., Bank of Mobile Bldg., Contr.

Ark., Fayetteville—Scott Taylor, Tulsa, reported, plans erecting \$35,000 garage, E. Mountain St., 81x150-ft.; Lewis Chevrolet Co., Lessee.

Ark., Paris—L. P. Jacob, reported, erect \$15,000 filling station, Highway No. 22.

Fla., Bradenton—Dixie Grande Garage & Storage Co., Inc., 6th Ave. and 14th St., will erect 1-story, 100x100-ft. storage garage, brick, built-up comp. roof; \$20,000; under supervision foreman and E. W. Darling, Jr., Archt., 10th St., who will receive bids for materials, labor, etc.

Fla., Miami—Southern Motors Sales, Inc., chartered; Arthur E. Clarke, 124 N. E. 27th St.

Ga., Savannah—Pan American Petroleum Corp., Office Div. Mgr., advises not planning erection service station as lately reported.

Ga., Vidalia—Vidalia Motor Co., reported, let contract to John T. Ragan & Co., for garage, filling station, etc.; 10,000 sq. ft., conc. and brick, comp. roof.

Ky., Auburn—Lashbrook Motor Co., incorporated; J. D. Lashbrook, R. R. and H. E. Page.

Ky., Mayfield—Motor Supply Co., incorporated; E. L. Manker, C. C. Langfitt.

La., Monroe—Jeffries Real Service, Inc., chartered; E. C. Jeffries, 3307 Richmond Ave.

La., New Orleans—Ahrens Motors, Inc., incorporated; St. Dennis J. DeBlanc, 228 Audubon Blvd.

Md., Cumberland—Kelly-Springfield Tire Co., reported, plans erecting refrigerating plant at local factory.

Mo., Joplin—O'Neill Tire & Battery Co., Joplin Globe Bldg., reported, plans erecting battery service station, 3rd and Virginia Ave.; \$40,000.

Mo., Kansas City—B. & H. Motor Co., Frank C. Baker, owner, 4515 Troost St., reported, erect sales and service building, Troost Ave., and E. Robert Gilliam Rd.

Mo., Kansas City—Barnard Motors, Inc., W. I. Barnard, Pres., 3022 McGee Rd., plans erecting 40x90 ft. sales building, 13th and Burlington Ave., North Kansas City.

Mo., St. Louis—Spark Plug Corp., of Mo., 2735 Cass Ave., incorporated; J. B. Cirrito.

Mo., St. Louis—Missouri Rolling Mills Corp., 6800 Manchester St., reported, furnished 260 tons rein. steel for Jefferson Plaza garage, 13th and St. Charles St.

Mo., St. Louis—United Auto Service System, Inc., chartered; Geo. Theis, 7137 Washington St.

Mo., St. Louis—South Side Chevrolet Co., 3645 S. Grand Blvd., reported, plans 3-story service, repair and garage building, \$100,000; D. R. Harrison, Archt., Ambassador Bldg.

N. C., Elizabeth City—Auto & Gas Engine Works, Water St. and Colonial Ave., plans addition.

N. C., Elizabeth City—W. T. Culpepper, reported, plans erecting 2-story automobile show building, Colonial Ave. and Martin St.

N. C., Greensboro—North State Motors Inc., capital \$150,000, chartered; C. M. Norfleet.

N. C., Raleigh—J. N. Bryan & Son, Professional Bldg., has contract for 1-story, 100x210 ft. garage for Mutart Motor Co., Morgan St., brick, steel and conc., comp. roof;

\$30,000. See Want Section-Machinery and Supplies.

Okl., Ponca City—E. W. Marland, reported, plans \$250,000 garage, Grand St.; 3-story, rein. conc., brick; Smith & Senter, Archts., Ponca City.

Okl., Tulsa—Reo Tulsa Motor Co., capital \$25,000, incorporated; Arch C. Collins, Guy S. Manatt, Mayo Bldg.

S. C., Columbia—Central Chevrolet Co., R. T. Clark, Pres., 1233 Hampton Ave., reported, received low bid from W. A. Cray & Son, 1226 Sumter St., for garage and salesroom, Laurel St., 60x120 ft.; Lafaye & Lafaye, Archts.

S. C., Greenville—John T. Woodside and associates, care Woodside Mills, let contract to R. G. Sheek & Co., Elm St., at \$40,000 for storage and service garage, Laurens and W. Court St., 2-story, 100x100-ft., concrete on steel frame, concrete floors, concrete and Barrett roof; Jones & Trott, Inc., Archts., Woodside Bldg.

Tenn., Nashville—R. R. Ogilvie, Amer. Tr. Bldg., reported, has permit for \$60,000 storage garage, 124 Third Ave., 3-story, fireproof, brick.

Tex., Austin—W. T. Caswell, Littlefield Bldg., reported, plans erecting 1-story, 70x128-ft. battery service station cor. 6th and San Antonio St.; brick, frame and metal ceiling, comp. roof, plate glass front; H. F. Kuehne, 824 Littlefield Bldg.; Exide Battery Co., Fifth and Lavaca Sts., Lessee.

Tex., Brady—F. R. Wulff, reported, let contract to H. H. Richards, for 1-story, 90x90-ft. garage, conc. and brick; Henry T. Phelps, Archt., 519 Hicks Bldg.

Tex., Corpus Christi—Humble Oil & Refining Co., Houston, reported, acquired 100x140-ft. property Chaparral and Laguna Sts., probably erect filling station.

Tex., Livingston—Jett Smith, 2504 Mandell St., Houston, reported, has contract for 1-story, 35x107-ft. garage, hollow tile and brick, for Campbell & Murphy; John McClelland, Archt.

Tex., San Antonio—John M. Moore, reported, will occupy garage and filling station at Nogalitos, Edwards and Alvarez Sts., erected by American Building Co., 1615 W. Kings Highway.

Tex., San Antonio—A. B. Phelps, 401 Dewey Pl., Owner, A. B. C. Garage, reported, plans 2-story addition; Adams & Adams, Archts., 1010 Real Estate Bldg.

Tex., Uvalde—A. F. Smyth and J. Schwartz, reported, erect 1-story, 60x120-ft. garage; conc. and steel; Will N. Noonan Co., Archts., Builders Exchange Bldg., San Antonio.

Va., Petersburg—Virginia Battery & Ignition, Inc., chartered; Frank Hudson, Stephen Romey.

### Railways

Md., Baltimore—Pennsylvania B.R., E. B. Temple, Ch. Engr., (Eastern Region), Philadelphia, Pa., reported, soon submit plans for proposed \$22,500,000 improvement, including additional tunnels, electrifications of lines through part of city, elimination of grade crossings, extension Union Station sheds and shelter platforms, completion of four tracks from Fulton Junction to Loudon Park Cemetery; Geo. M. Smith, Supt., Baltimore Div.

Mo., Kansas City—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, Ill., reported, adding to Armourdale yard, laying tracks, etc., \$100,000.

N. C., Snow Hill—East Carolina Ry., H. C. Bridgers, Pres., Tarboro, reported, let contract to E. R. Boney, Norfolk, Va., for 5 mi. road extension between Hookerton and Snow Hill.

Okl., Cheyenne—Clinton & Oklahoma Western R. R. Co., F. Kell, Pres., Wichita Falls, Tex., reported, construct road, Pampa to Cheyenne.

Okl., Oklahoma City—Oklahoma Ry. Co. (electric), 209 Terminal Bldg., G. B. Treat, Ch. Engr., reported, has franchise 4-mi. belt-line railroad; also freight yard on Exchange Place.

Texas—Atchison, Topeka & Santa Fe Ry. System, W. B. Storey, Pres., Chicago, Ill., propose expending \$45,000,000 for improved facilities in 1928; placed orders for 3850 freight cars, 75 all steel passenger train cars, 771 mi. steel rails, steel for bridges, etc.

Texas—Missouri-Kansas-Texas R. R. Co. of Texas, F. Ringer, Ch. Engr., Dallas, reported, expend \$4,500,000 during 1928; improving roadways and structures.

Texas—Atchison, Topeka & Santa Fe Ry. System, W. B. Storey, Pres., Chicago, Ill., which plans branch line from Hale Center

to Parmerton, reported, proposes the 60 mi. road to be part of new trunk line across north Texas, connecting Dallas with transcontinental line at Parmerton, approx. 450 mi.; project involves 260 mi. new track.

Tex., Amarillo—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, Ill., reported, let contract for second section of line between Amarillo and Liberal, Kan., 35 miles, contract covers part of road between Stinnett and Gruver.

Tex., Brazoria—Missouri-Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., reported, applied to Interstate Commerce Comm. to construct 34 mi. new line between Brazoria and Allenhurst, Galveston County; \$850,000; if carried out, work will be under jurisdiction of C. S. Kirkpatrick, Ch. Engr., Gulf Coast Lines, Houston.

Tex., Dallas—Texas & Pacific Ry. Co., E. F. Mitchell, Ch. Engr., reported, double-track line between Dallas and Fort Worth and extra track from Fort Worth to Eagle Ford.

Tex., Wheeler—Construction of 80-mi. electric interurban railway between Wheeler and Childress, reported, proposed; power for line to be furnished by West Texas Utilities Co., Abilene.

W. Va., Swiss—Application, reported, made to Interstate Commerce Comm. for authority to build 29 mi. new railroad from Swiss to Nallen by New York Central R. R. Co., F. B. Freeman, Ch. Engr., New York City, and Chesapeake & Ohio Ry. Co., C. W. Johns, Ch. Engr., Richmond, Va.; two trunk-line systems, reported, propose organizing Nicholas, Gayette & Green Brier Railroad Corp. to undertake construction and provide new corporation with \$4,000,000 to meet cost.

### Railway Shops and Terminals

N. C., Winston-Salem—Southern Ry. System, H. W. Miller, V.-Pres., 1300 Pennsylvania Ave., Washington, D. C., reported, plans adequate freight station facilities; 2-story extension, 78-ft. long to freight house, 30x500-ft. brick building for outbound freight house; 2-story, 50x100-ft. brick office building; 2 covered platforms, one 14x354-ft. and one 14x458-ft., open platform 11x848-ft.; 39-ft. teamway; covered automobile platform 24x234-ft.; main line through depot area will be relocated; J. J. McDevitt Co., Charlotte, Contr., begin work soon as materials and forces can be assembled. 7-14

Tex., Houston—Missouri Pacific Lines, E. A. Hadley, Ch. Engr., St. Louis, Mo., reported, plans constructing combination rail and water terminal on Ship Channel at mouth of Greens Bayou; A. S. Bergendahl, local engr.

### Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

#### Proposed Construction

Ala., Athens—State Highway Comm., Montgomery, reported, receives bids Apr. 28 to pave Bee Line Highway, Pryor plantation, Limestone County, to Keller Memorial Bridge, across Tennessee River.

Ala., Auburn—City Clk., reported, receives bids Apr. 3 for 9,000 cu. yds. excavation, 28,600 sq. yds. cement conc. paving, 2,000 sq. yds. cement conc. sidewalks, 28,700 ft. combined curb and gutter, 2,275 ft. storm sewers; Robert L. Totten, Inc., Const. Engr., B-M Bldg., Birmingham.

Ala., Decatur—City Council, reported, considering paving Second Ave.

Ala., Huntsville—State Highway Comm., Montgomery, reported, plans re-building and graveling Meridianville Pike, to Tennessee line.

Arkansas—State Highway Comm., Little Rock, reported, received low bids for 8 roads, 9 bridges; Jefferson County—4 mi. grading, draining, gravel surface, Altheimer-Wabbaseka Rd.; Brown & Dennison, Cushman, \$20,614; Hempstead County—1½ mi. Hope-Lewisville, C. D. Ball, Ozan, \$48,904; Izard County—6 mi. Calico Rock-Baxter County line, Mississippi-Arkansas Construction Co., Little Rock, \$48,593; Stone County—7 mi. Calico Rock Forest Reserve Rd., Brooks Construction Co., N. Texas Bldg., Dallas, Tex., \$24,946; Van Buren County—10 mi. Clinton-Conway Rd., Cole Brothers & Denniston, Fayetteville, \$59,976; 8 mi. Marshall-Clinton, Reed & Cole, Tulsa, Okla., \$77,211; Baxter County—8½ mi. Mountain Home-Calico Rock Rd., Cook & Ransom, Ottawa, Kan., \$69,299; Crawford County—491-ft. lin. ft. conc. deck girder

bridges, Mountainburg-Fine Springs Rd., Ozark Construction Co., Pryor, Okla., \$43,538; Franklin County—803 lin. ft. rein. conc. bridge, 1897 ft. approaches, Charleston-Fort Smith Rd., Maxwell Construction Co., Columbus, Kan., \$78,059.

In Independence County—3.842 ft. rein. conc. deck girder bridge, 958 ft. approaches, Batesville-Pleasant Plains Rd., Fred. Lutetjohann, Topeka, Kan., \$98,032; Garland County—87 ft. rein. conc. deck girder bridge, Mo. Pa. tracks, Hot Springs-Malvern Rd., Keliher Construction Co., Little Rock, \$8266; Union County—256-ft. rein. conc. deck girder bridges and approaches, El Dorado-Callon Rd., Keliher Construction Co., \$23,870; Yell County—337-ft. rein. conc. bridges, 1813 ft. approaches, E. G. Fike & Co., 114 E. Second St., Tulsa, Okla., \$33,524; Carroll County—105-ft. rein. conc. bridges, Eureka Springs-Seligman Rd., Maxwell Construction Co., \$7096; Polk County—1223 ft. treated timber pile bent bridges, Harrisburg-West and South Rd., L. G. Newsom, Marks, Miss., \$34,816; Clay County—290-ft. treated timber pile bent bridges, 120-ft. approaches, Corning-Piggott Rd., J. F. Mullens, 1818 Chestnut St., Pine Bluff, \$9358.

Ark., Fort Smith—J. H. Parker, Mayor, plans opening and paving Tenth St.

Ark., Mena—Mark Olney, Polk County Judge, reported, considering gravel surfacing important roads, connecting with state highway system.

Florida—State Road Dept., Tallahassee, reported, received low bid for 4 roads, bridge; Bay County—Timber bridges, Rd. 10, Maddox Foundry and Machine Co., Archer, \$12,522; Okaloosa County—grading 13.38 mi. Rd. 54, W. J. Bryan Paving Co., Phelps St., Jacksonville, \$4,764; 4.69 mi. Rd. 64, H. L. Wheeler Paving Co., Fort Myers, \$18,536; 9.18 mi. Rd. 41, H. L. Wheeler Paving Co., \$29,601; 9.81 mi. Rd. 41, Deen & Yarbrough, Jacksonville.

Fla., Daytona Beach—Ocean Shore Improvement Dist., Bd. of Trustees, reported, plans receiving bids Apr. 4 for Ocean Shore Blvd., Atlantic Ave., Ortona to University Blvd.; widen 18 to 20-ft., curbs, gutters.

Fla., Jacksonville—M. W. Bishop, City Sec., reported, received low bids, \$490,390, for 9 mi. street widening and re-paving; W. J. Bryson Paving Co., 239 W. Adams St.; Duval Engineering Co., Dyal Upchurch Bldg.; Morgan-Hill Paving Co., all Jacksonville; Southern Paving and Construction Co., Vol. Life Bldg., Chattanooga, Tenn.; T. B. Gillespie, Palatka.

Fla., Pensacola—Escambia County, M. L. Bell, Clk., Circuit Court, receives bids, probably, Apr. 3 for 3 mi. 20-ft. sand-clay surface.

Fla., West Palm Beach—Arthur S. Hobby, City Engr., reported, plans letting contract for rebuilding Monceaux Rd., Olive to Georgia Ave.; sanitary and storm sewers; \$30,000.

Ga., Dawson—City and Terrell County, reported, considering paving Stonewall St. under "baby" bond plan.

Ga., Elberton—State Highway Dept., East Point, reported, plans 2 mi. hard surface road, on 2 roads, suburbs of Elberton.

Ga., La Fayette—State Highway Comm., East Point, Walker County Commrs., reported, plan 8.67 mi. paving, Dixie Highway, La Fayette to Chattahoochee County line; \$10,000 per mile; work to start middle of April.

Ga., Nahant—Brantley County Commrs., reported, may let contract to hard surface Waycross-Brunswick Rd.

Ga., Statesboro—Harwood Beebe, of Harwood Beebe Co., Montgomery Bldg., Spartanburg, reported, surveying for street paving.

Ky., Eddyville—P. W. Marshall, Lyon County Clk., reported, plans \$200,000 road building. See Financial News.

Ky., Franklin—Bd. of Council receives bids Apr. 12 for 17,275 sq. yd. rock asphalt surface, 10,820 lin. ft. conc. curb and gutter, 1350 lin. ft. conc. curb, and 5-ft. gutter, 5700 cu. yd. excavation, 7000 tons rock in place; H. S. Jackson, City Engr.

La., Abbeville—R. J. Montague, Pres., Vermillion Parish Police Jury, reported, receives bids Apr. 21 for 15 mi. hard surface roads, Rd. Dist. 4.

La., Alexandria—Rapides Parish, Ward 4, reported, considering \$100,000, for 2 roads. See Financial News.

La., Amite—C. M. Nixon, Mayor, reported, receives bids soon for conc. paving on 4 streets.

La., Farmerville—Louisiana Highway Comm., Baton Rouge, reported, receives bids



Apr. 12 to furnish gravel and build 7.616 mi. Marion-Huttig Rd.

La., Homer—Louisiana Highway Comm., Baton Rouge, reported, receives bids soon to gravel Summerfield-Colquitt Hwy.

La., New Orleans—Louisiana Highway Comm., Baton Rouge, reported, receives bids Mar. 27 for .912 miles Chef Menteur Highway, Orleans Parish.

Maryland—State Roads Comm., Baltimore, receives bids Apr. 3 for 9 roads: Washington County—1.96 mi. conc., Gapland toward Weaverton, Cont. W-53; Montgomery County—1.11 mi. conc. Carroll Ave., Takoma Park, Cont. M-93; Baltimore City, .5 mi. sheet asphalt, Harford rd., Glenmore to Richmond, Cont. BC-74; Kent County—1.16 mi. conc., through Betterton, Cont. K-32; Caroline and Dorchester Counties—2.17 mi. conc., Hynson to Federalburg, Cont. Co-46, and D-47; Wilcomico County—2.5 mi. conc., Hebron to Quantico, Cont. Wi-40; Washington County—4.5 mi. conc. shoulders, National Pike, Cont. W-I-B; Harford County—3.97 mi. conc. shoulders, Conowingo rd., Cont. H-3-C; Prince George's County—5.76 mi. conc. shoulders, Meadow to Upper Marlboro, Cont. P-1-A.

Md., Baltimore—City Plan Comm. approved proposal to widen Lake Ave. to 70 ft., Roland Ave. to York Rd.

Md., Baltimore—Bd. of Estimates, reported, authorized \$44,900 for cement conc. pavement, sections 10 streets; Nathan L. Smith, Highways Engr.

Md., Baltimore—Bd. of Awards, reported, receives bids March 28 to grade, curb and pave with 15,100 sq. yd. cement conc. streets in Cont. 453; Nathan L. Smith, Highways Engr.

Miss., Ashland—Benton County Bd. of Supvrs., reported, plans \$12,000 road in Fourth Supvrs. Dist., 8 mi. south of Ashland, toward Blue Mountain. See Financial News.

Miss., Belzoni—A. R. Hutchens, Clk., Humphreys County, Bd. of Supvrs., reported, receives bids Apr. 2 for 2 mi. Sky-Lake rd., Road Dist. 2.

Miss., Clinton—City, reported, receives bids Mar. 30 for 10,000 sq. yd. paving; \$24,000 sewer system; Morgan & Co., Inc., Edwards Bldg., Jackson.

Miss., Forest—Board of Aldermen, reported, receives bids soon for 1 mi. street paving.

Miss., Hazlehurst—City, reported, receives bids in Apr. for 1½ mi. paving. 3-1

Miss., Kosciusko—Attala County Bd. of Supvrs., reported, plans \$41,000 gravel road, Beat Four. See Financial News. 2-23

Miss., Meridian—Lauderdale County Bd. of Supvrs., reported, receives bids Apr. 4 for 1.8 mi. State trunk road 80, Meridian to Jackson; 45,369 cu. yd. excavation and borrow, 12,080 lb. rein. steel in culverts; bridges over 20-ft. span; 170,460 lb. rein. steel.

Mo., Brookfield—Town, reported, plans 36 mi. gravel roads, \$160,000. See Financial News.

Mo., Joplin—O. P. Mahoney, Commr. of Streets, reported, plans curbs and gutters on Division Ave.

Mo., St. Louis—Bd. of Public Service, reported, receives bids Mar. 27 to improve Geraldine Ave.

North Carolina—State Highway Comm., Raleigh, reported, received low bids for 14 roads, bridge: Haywood County—4.14 mi. paving, Route 10, Pennell & Harley, 526 Mont. Bl., Spartanburg, S. C., \$85,224; Richmond County—6.83 mi. grading, Route 204, Beal Brothers, \$39,711; Clifton Currin, structures, \$11,228; Mecklenburg County—5.34 mi. grading, Route 20, Nello L. Teer, Durham, \$25,293; structures, Blythe Brothers, Brevard St., Charlotte, \$12,610; Gaston County—8.71 mi., Route 20, Nello L. Teer, Durham, \$29,516; Catawba County—11.34 mi. paving, Route 10, George R. Martin, Salisbury, \$201,639; 8.41 mi. grading, Route 110, Gregory & Chandler, \$41,243; structures, Hobbs-Pearbody Construction Co., 1902 Plinth Rd., Charlotte, \$23,939; Rockingham County—3.86 mi. paving, Route 700, George R. Martin, \$77,660; Montgomery County—8.84 mi., Route 74, W. F. Bowe, Jr., Atlanta, Ga., \$186,484; Granville County—4.20 mi. grading, Oxford to Vance County line, Beal Brothers, \$21,582; structures, R. G. Lassiter & Co., Citiz. Bk. Bldg., Raleigh, \$10,447; Durham County—6.03 mi., Route 13, Ziegler Bros., S. Green St., Greensboro, \$151,532; Robeson County—11.64 mi., Route 71, R. G. Lassiter & Co., Citiz. Bk. Bldg., Raleigh, \$8,232; Bladen County—8.49 mi., Route 21, West Construction Co., \$129,975; Jones County, bridge over Trent River, Pollocksville, Route 20, Roanoke Iron & Bridge Co., Roanoke, Va., \$61,726; Pitt Coun-

ty—6.92 mi. Farmville to Edgecombe County line, Brown Paving Co., \$112,659; Martin County—17.41 mi., Route 90, Brown Paving Co., \$293,687. 2-23

N. C., Asheville—City Comm., reported, plans widening Poplar St., to 40 ft., with 2 5-ft. walks, College St., to Beaucatcher tunnel. 3-15

N. C., Greensboro—P. C. Painter, City Mgr., receives bids about June 1 for widening and asphalt on conc. base, paving, downtown dist.; \$200,000. 3-15

N. C., Winston-Salem—City received low bids at \$29,620, to improve 22 sidewalks; H. H. Sherrill, Carolina Circle; Saunders & Co., N. Main St.; C. A. Heilig, W. Highlands St.

Okla., Bartlesville—State Highway Comm., Oklahoma City, reported, may let contract after July 1 for 8.5 mi. State Highway 25, from south of Bartlesville, toward Nowata, to county line.

Okla., Marshall—City Council, reported, plans receiving bids soon for 5 blocks paving, business dist.

Okla., Muskogee—Paul Williams, Mayor, reported, plans \$45,000 concrete driveway around Honor Heights. See Financial News.

Okla., Muskogee—W. H. Cavanagh, Clk., reported, receives bids, probably, Apr. 11 for 11,941 sq. yd. 6-in. plain cement conc. paving, 7590-ft. 6-in. curbing, 3600 sq. ft. sidewalks, 6300 cu. yd., Dist. 201; excavation; \$52,532. 3-1

Okla., Newkirk—Joe Clark, Kay County Engr., reported, plans graveling 2 mi. road, Miller Township, from Big V ranch to U. S. Highway No. 77; install culverts.

Okla., Tulsa—H. A. Parker, Tulsa County Engr., reported, plans paving Thirty-first St., Peoria to Lewis Ave.

S. C., Aiken—Aiken County, reported, plans \$1,125,000 paving; 21.5 mi. U. S. Route 1, Saluda County line, near Monetta, to Aiken; 9½ mi. State Route 25, Dixie Highway, North Augusta to Edgefield County line; 5½ mi. Route 78, Aiken to Montmorenci; may sell bonds.

S. C., Bamberg—County, reported, plans \$125,000 paving, 17.5 mi. grading, draining, sand-clay surface, Route 24, Edisto River to Olar, including half cost, bridge and approaches over Edisto River.

S. C., Pickens—Pickens County, reported, plans \$200,000 paving; 5.25 mi. Route 2, Easley to Liberty; 5 mi. Route 2, Liberty to Central; conc. bidge, Route 14, near Pickens.

S. C., Saint George—State Highway Comm., Columbia, reported, plans receiving bids soon to pave State Highway 30, St. George to State Highway 2; plans paving Highway 27.

S. C., St. George—Dorchester County, reported, plans \$180,000 paving; 3.5 mi. Route 30, Rosinville to St. George; 6 mi., Route 78, St. George.

Tennessee—Dept. of Highways and Public Works, Nashville, reported, plans road maintenance and improvements: Cooke County—\$31,500, maintenance; \$4,000, improvement; DeKalb County—\$27,800, maintenance; \$44,500, improvement; Houston County—\$13,500, maintenance; \$22,000, improvement; Fayette County—\$49,100, maintenance; \$96,500, improvement.

Tennessee—Dept. of Highways and Public Works, Nashville, reported, plans \$206,250, for road building and maintenance: Coffee County—\$31,000 maintenance, \$59,000 improvement; Carter County—\$18,000 maintenance, \$51,000 improvement; Hardin County—\$13,000 maintenance and improvement; Deatur County—\$26,850 maintenance, \$7,400 improvement.

Tenn., Chattanooga—Roger Crox, City Commr., reported, plans extending Tenth St.; building viaduct over Southern R. R. yards.

Tenn., Chattanooga—Will Cummings, Hamilton County Judge, reported, plans widening and resurfacing Hixon Pike to Hixon; oil-surface treatment on asphaltic macadam.

Tenn., Jamestown—Fentress County, reported, appropriated \$100,000, to improve York School Rd.

Tenn., Lookout Mountain—J. B. Pound, Mayor, reported, plans \$12,358 conc. road on mountain.

Tenn., Paris—Henry County, reported, considering \$800,000 road building. See Financial News.

Tenn., Selmer—McNairy County, reported, plans 6 or 8 lateral roads, \$400,000. See Financial News.

Texas—State Highway Comm., Austin, reported, receives bids, probably Apr. 2 for 4 roads: Carson County—10.075 mi. and 10.07

mi. grading and bridges, Hwy. 75; Guadalupe County—8.219 mi. grading, bridges, Hwy. 123; Wise County—7.7 mi. surfacing, Hwy. 39.

Texas—State Highway Comm., Austin, reported, receives bids Apr. 2 for 3 roads, 6 bridges: Young County—0.797 mi. sledged stone base, Bit. surface, Highway 24; Randall County—5.522 mi. grading, draining, Highway 33; 67,392 cu. yd. excavation; 51,319 lb. rein. steel; Matagorda County—12.183 mi. grading and draining, Highway 58; 179,511 cu. yd. excavation and borrow; 29,575 lb. rein. steel; 5 conc. pile bridges, 77,707 lb. rein. steel; Caldwell County—\$0.5 ft. bridge, Snake Creek, Highway 80; two 19-ft. timber pile, 41-ft. I-beam panels.

Tex., Beeville—Bee County Commrs. Court, reported, plans Skidmore-Tyran section, State Hwy. 12. See Financial News.

Tex., Bellaire—Town, reported, plans Bellaire Blvd., Main Blvd. to Rice Ave.; extend curb and gutter, railroad crossing near Bellaire to Rice Ave.; Harris County Commrs., Houston, reported, plan boulevard, Main Blvd. to Kirby Drive; Kirby Drive to Rice Ave., Bellaire.

Tex., Big Spring—See Financial News.

Tex., Center—Shelby County, reported, plans \$175,000 road building, Dist. No. 2. See Financial News.

Tex., Childress—Childress County, W. B. Howard, Judge, reported, plans 24.5 mi. grading, bridges, 18 ft. concrete pavement, Highway No. 4; \$784,000.

Tex., Coleman—State Highway Comm., Austin, reported, plans Tarlating Hwy. 7 and 23, Coleman County.

Tex., Dallas—Barney Davis, Finance Commr., reported, plans improving 5 streets, Cockrell, Wall, Grand.

Tex., Denton—Denton County, reported, plans 9 mi. Federal Hwy. 77, Lewisville rd.

Tex., Edinburg—Donna Irrigation Dist., Hidalgo County reported, considering feeder roads, connecting with paved highways, \$1,000,000. See Financial News.

Tex., Edinburg—Hidalgo County Commrs., reported, plan 60 mi. hard surface roads, Dist. 5. See Financial News.

Tex., Edna—Jackson County, John T. Vance, Judge, reported, plans 4 mi. grading, bridges, surfacing, Highway 59, including bridge across Bay; \$174,000.

Tex., Edna—Jackson County, John T. Vance, Judge, reported, plans 4.153 mi. grading and bridges, Highway 12.

Tex., Falfurrias—State Highway Comm., Austin, reported, plans 21 mi. caliche and asphalt topped rd. east of Falfurrias.

Tex., Floydada—Floyd County, Wm. McGehee, Judge, reported, plans \$500,000 for Hwy. 28; \$100,000, lateral roads. See Financial News.

Tex., Galveston—Clark W. Thompson, 22nd and E Sts., of Cedar Lawn Development Co., reported, plans paving streets in Cedar Lawn.

Tex., Houston—W. A. Moore, City Sec., reported, received low bid from A. M. Arnold & Co., 1622 Elder St., \$146,168, to pave Austin St., Franklin to McGowen; from Scott Shambaugh, \$10,124, Sunset Blvd.; \$8273, Wroxtton Rd.; \$8283, Quinby St.; plans opening bids in 2 weeks to pave Leeland Ave.

Tex., Houston—See Bridges, Culverts, Viaducts.

Tex., Houston—State Highway Dept., Austin, reported, approved plans A. J. Wise, Harris County Engr., to pave East Montgomery rd., Kuykendahl rd. to Montgomery County line; approval by federal engineers expected.

Tex., Jefferson—State Highway Comm., Austin, reported, plans receiving bids soon for 20.55 mi. loose gravel surface, Highway 49, Jefferson, Marion County, to Louisiana line, \$93,000.

Tex., Karnes City—Karnes County Commrs. Court, reported, plans Highway 112; will sell bonds.

Tex., Kaufman—Kaufman county, reported, plans \$30,000 road building. See Financial News.

Tex., Liberty—Liberty County, reported, plans 27 roads and bridge; 143 mi. crushed rock, shell and gravel, and 68.8 mi. conc. See Financial News.

Tex., Littlefield—City, reported, plans \$40,000 street paving. See Financial News.

Tex., Longview—Gregg County and State Highway Comm., Austin, receive bids Apr. 2 for 2.256 mi. grading, draining and bridge over Sabine River, Highway 31.

Tex., Quanah—Hardeman County, J. E.

Wiley, Judge, reported, plans 7.624 mi. conc. Highway 5, \$225,000.

Tex., San Antonio—C. H. Chambers, Mayor, reported, plans extending Jones Ave. to Hildebrand Ave.

Tex., Sterling City—Sterling County, B. F. Brown, Judge, reported, plans \$254,000 grading and bridges, Highway 9.

Tex., Sulphur Springs—Hopkins County Commrs. Court, reported, plans 18-ft. conc. rd., and widening bridges, Sulphur Springs to Franklin county line. See Financial News.

Tex., Terrell—J. P. Barnett, City Sec., reported, plans \$75,000 street paving. See Financial News.

Tex., Waco—McLennan County, James R. Jenkins, Judge, reported, plans improving 11.3 mi. Highway 31.

Tex., Waxahachie—Ellis County, H. R. Stovall, Judge, reported, plans 8.765 mi. conc. Hwy. 6; \$235,000.

Tex., Wharton—State Highway Comm., Austin, reported, receives bids soon for 9.570 mi. surfacing, Hwy. 60, Wharton County; John Morris, County Judge.

Tex., Wheeler—Wheeler County Commrs., reported, plans \$1,000,000 for 3 roads. See Financial News. 3-1

Virginia—State Highway Comm., Richmond, receives bids Apr. 5 for 4 roads, 2 bridges: Accomac County—5.8 mi. conc., Route 34; 24,297 cu. yd. excavation, 12,591 lb. rein. steel, 61,305 sq. yd. conc.; Northampton County—6.2 mi. conc., Route 34; 20,644 cu. yd. excavation, 63,453 sq. yd. conc.; Henry County—8.4 mi. rock asphalt, Route 33; 173,507 cu. yd. excavation, 29,172 lb. rein. steel, 90,013 sq. yd. conc.; Franklin County—7.3 mi. rock asphalt, Route 33; 886 cu. yd. excavation, 13,945 lb. rein. steel, 78,154 sq. yd. rock asphalt; alternate bids on bit. macad., and cold bit. conc.; bridges over Big Reed and Big Chestnut Creeks.

Va., Norfolk—L. Walke Truxton, City Mgr., reported, receives bids soon for \$124,000 paving in Ocean View.

Va., Norfolk—L. Walke Truxton, City Mgr., reported, plans \$400,000 improvements, including culvert, replace Larchmont bridge No. 2; jetties at Ocean View; sewers, street paving and improving.

Va., Roanoke—W. P. Hunter, City Mgr., reported, receives bids Mar. 30 for 40,000 lin. ft. conc. curb, 41,000 lin. ft. conc. gutter, 13,100 sq. yds. pen. mac., 5,450 sq. yds. conc. paving.

West Virginia—State Road Comm., Charleston, receives bids Apr. 16 for 10 roads: Kanawha County—2.3 mi. bituminous material surface, Sissonville-Jackson County line road; 4 mi. grading, draining, Tyler Mountain-Putnam County line road; Putnam County—2 mi. Kanawha County line-Nitro County Club road; Roane County—3 mi. Spencer-Smithfield Dist. line road; Wetzel County—3.5 mi. New Martinsville, through Wileyville Rd.; Monongalia County—3.5 mi. Cassville-Pentress Rd.; Upshur County—6 mi. cement, conc. or bit. macad., Buckhannon-Cleveland Rd.; Webster County—6 mi. broken stone base course, Wester Springs-Diana Rd.; Hampshire County—5 mi. grading, draining, Romney-Springfield Rd., Pendleton County—5 mi. North Fork Valley Rd.

W. Va., Clarksburg—Maurice L. Loudin, Clk., Harrison County Court, advises report Winfield Dist. will issue \$90,000 bonds for highways, incorrect.

W. Va., Clarksburg—See Bridges, Culverts, Viaducts.

W. Va., Middlebourne—Henry Theiss, Mayor, reported, plans street improvements. See Financial News.

W. Va., West Union—Doddridge County Court, reported, receives bids Apr. 3 for 2 roads: Grade 2 mi., South West Dist.; 5 mi. flag stone, McClellan Dist.

#### Contracts Awarded

Ark., Little Rock—M. D. L. Cook, Home Ins. Bldg., reported, has contract, \$17,500, to repave streets, downtown section.

Fla., Pensacola—S. G. Collins, Contr., for 2 mi. West Pensacola-Lillian Bridge Rd., reported, will sub-let contract to Stowers and Sport, Milton, grading, etc.; E. C. Kenyon, Crestview, conc. work. 2-9

Fla., Tallahassee—Leon County Commrs., reported, let contract to W. M. Hall, \$38,635, for 5 mi. paving, Highway 66.

Fla., West Palm Beach—Palm Beach County Comm., reported, let contract to McVay Lindsay, 448 Australian Ave., \$11,136, for ¾ mi. Canal Point rd.; to R. Tomasello for 1,700 ft. Loxahatchee Drive, Jupiter; Nashville Bridge Co., \$49,730, for substructure and superstructure, steel and conc. bridge across East Coast Canal, Boca Raton. 3-1

Ga., Fitzgerald—City Comm., reported, let contract to Ingalls Construction Co., Graham Bldg., Jacksonville, Fla., \$27,308, to pave, curb and sewer South Lee St.

Ga., Macon—C. J. Tiernan Co., McComb, Ill., reported, has contract, \$9,740, for 24-ft. conc. paving around court house.

Md., Baltimore—Bd. of Awards let contract to Arundel Construction Co., Knickerbocker Bldg., \$15,901, for 6200 sq. yd. cement conc. paving, 4800 lin. ft. curbing, etc. Cont. 451. 3-1

Mississippi—Pilkinton Bros., Artesia, reported, has contract, \$51,510, for 618-ft. bridge over Big Black River, swinging steel span, creosote timber approaches; \$69,100, for conc. culverts, grading, surfacing, Kosciusko. Valden, Carrollton Road, Carroll County.

Mo., Joplin—O. P. Mahoney, Commr. of Streets, reported, let contract to V. E. Koch, 702 N. Pearl St., for conc. sidewalks, Empire Ave.

Mo., Savannah—State Highway Dept., Jefferson City, reported, let contract to E. W. Kolterman, Omaha, Neb., \$187,000, for 16 mi. grading, State Highway 71, Andrew and Nodaway Counties.

S. C., Gaffney—J. L. Plotz Co., reported, has sub-contract to grade 10 mi. Hwy. 11, Cherokee County; Crowell Construction Co., Charlotte, N. C., has gen. contract. 1-19

Tex., Brady—City, reported, let contract to Brown & Root, Austin, for 14 blocks paving, curb, gutter, grading, etc. 2-9

Tex., Dallas—Smith Bros., Inc., Santa Fe Bldg., reported, has contract, \$62,672, for 13,970 sq. yd. Willite asphaltic conc. paving, 5-in. conc. base, etc. 3-15

Tex., Edinburg—Hidalgo County Commrs., reported, let contract to W. L. Pearson & Co., 827 First Natl. Bank Bldg., Houston, \$320,122, for rein. conc. paving; \$45,739 for bridge. 2-23

Tex., Fort Worth—O. E. Carr, City Mgr., reported, let contracts, \$150,847 for paving: General Construction Co., 403 Cotton Exchange Bldg., \$85,338, asphalt paving, Dallas Pike; Colglazier & Huff, 922 Austin St., San Antonio, \$21,115, East Fourth St.; Hughes & Everett, \$6,968, Avenue M; West Texas Construction Co., 504 Cotton Exchange Bldg., \$25,392, Waggoman St.; Hughes & Everett, \$12,034, Gould Ave.; to Ellsworth Long, 1828 Tremont St., for curbs and gutters on Boaz St.

Tex., Houston—W. L. Jones, Bkrs. Mtg. Bldg., reported, has contract to grade and shell 10 mi. streets, Hanan Estates.

Tex., Memphis—V. P. Strange Construction Co., reported, has contract for 13½ mi. paving, Highway 5, through Hall County.

Tex., San Angelo—L. E. Whitham Co., reported, has contract to pave East Concho St.

Virginia—State Road Comm., Richmond, reported, let contract to Virginia Engineering Co., Newport News, \$143,264, for 5½ mi. hard surface, Route 29, Gloucester County. 3-1

Virginia—State Highway Comm., Richmond, reported, let contract to Southern Asphalt Co., Richmond, and Earl Lansdell Co., Hackensack, N. J., for applying bituminous material on various roads.

#### Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Auburn—See Roads, Streets, Paving.  
Ala., Boaz—W. W. Creel, Mayor, receives bids about Apr. 12 for sewers. See Want Section—Bids Asked.

Ala., Mobile—See Water Works.

Ark., Fayetteville—City, J. H. McIlroy, Chrmn. Sewer Comm., reported, plans sewer disposal plant.

D. C., Washington—See Want Section—Bids Asked.

Fla., Bonifay—See Water Works.

Fla., West Palm Beach—See Roads, Streets, Paving.

Ga., Atlanta—J. B. McCrary Co., Atlanta, has contract for Orme St. sewer, \$140,000; Realty Improvement Co., Atlanta, at \$56,000, for Greensferry Ave. sewer extension; Max R. Hall, Engr. in Charge. 3-15

Ga., Fitzgerald—See Roads, Streets, Paving.

La., Oak Grove—City install sanitary sewer and disposal plant; Charles D. Evans, Conslt. Engr., Levy Bldg., Shreveport.

Md., Baltimore—See Want Section—Bids Asked.

Miss., Clinton—City receives bids Mar. 30 for \$24,000 sewer system; Morgan & Co., Inc., Edwards Bldg., Jackson, Engrs.

Miss., Port Gibson—City, reported, plans installing \$45,000 sanitary sewer system.

Mo., Jefferson City—See Want Section—Bids Asked.

Mo., Kansas City—John T. Wayland, 1610 Fed. Res. Bk. Bldg., reported, has contract at \$39,055 for joint dist. sewer on Indiana Ave.

Mo., St. Charles—City votes Apr. 3 on issuing \$50,000 sanitary sewer bonds.

Okla., Enid—City, reported, plans extending sewers Glenwood Addition.

Okla., Guymon—Dobson & Humphreys, 408 Securities Bldg., Omaha, Neb., have contract at \$56,000 for sewers and disposal plant.

Okla., Oklahoma City—E. M. Fry, City Mgr., reported, having specifications prepared for \$2,000,000 sewer work in next 2 years; B. M. Hart, City Engr. 3-8

Okla., Oklahoma City—City, reported, install sewers, Oliver Park and Markland Heights additions.

Okla., Sayre—City, reported, extend sewers to Kready Addition.

Okla., Tulsa—City Comm., reported, plans 3 storm sewers and 1 sanitary sewer; preliminary estimates by Charles Schultz, 1120 S. Peoria St.; cost \$93,994.

S. C., Cowpens—See Water Works.

S. C., Greenville—See Want Section—Bids Asked.

Tenn., Chattanooga—Hornbuckle Contracting Co., Atlanta, Ga., reported, low bidder at \$135,000 for covering 17 mi. sanitary laterals in 12th and 13th wards.

Tex., Amarillo—City receives bids Apr. 3 for sewage disposal plant. See Want Section—Bids Asked.

Tex., Amarillo—Lee Bivins, Mayor, reported, has plans by W. W. Kiersted, Conslt. Engr., 614 Interstate St., Kansas City, Mo., for \$158,000 disposal plant. 3-1

Tex., Galveston—Moller & Roberts, reported, low bidder for 1520-ft. sewer laterals.

Tex., Houston—City, reported, constructing 6-ft. storm sewer from W. University Pl. to drainage ditch No. 2; Jack Rafferty, City Engr., West University Place.

Tex., Nacogdoches—City, reported, let contract to Panhandle Construction Co., Lubbock, for laying 11 mi. sewer pipe extension; soon let contract for disposal plant. 2-16

Tex., Port Neches—See Water Works.

Tex., San Antonio—George W. Fuller, 170 Broadway, New York, and John Hawley, Cotton Ex. Bldg., Fort Worth, reported, making survey for improvements to Mitchell Lake and for first unit of disposal plant.

Tex., Sonora—City, reported, having plans prepared by Municipal Engineering Co., Athletic Bldg., Dallas, for \$45,000 sewer system.

Tex., Sweetwater—City, reported, votes Mar. 29 on \$25,000 sewer bonds. 3-8

Tex., Tahoka—City, reported, install sewer, J. R. Singleton, Mayor.

Va., Alexandria—City, reported, start work in Apr. on Hooft Run sewer, 10 to 36-in. diam., \$60,000.

Va., Hopewell—Following contracts, reported, let for \$80,000 sewer system: J. W. Enochs, lumber; Glamorgan Pipe & Foundry Co., Upper Basin, Lynchburg, c.i. pipe; Brooks Foundry Co., 515 Marietta St., Atlanta, Ga., manhole covers; McCraw Co., Richmond, lead; Nolan Co., Newport News, jute; Swain Contracting Co., brick; W. L. Broadus, Woodlawn Ave. and Ptg. Rd., and Swain Contracting Co., for sand; M. L. Shaffer and Concrete Pipe and Products Co., Amer. Natl. Bank Bldg., Richmond, sewer pipe; J. B. McCrary Engineering Co., Atlanta, Ga., ditching. 3-8

Va., Norfolk—See Roads, Streets, Paving.

Va., Ocean View, Sta., Norfolk—City of Norfolk, reported, soon receive bids for \$60,000 sewers at Ocean View on city property and property of Otto Wells.

Va., Roanoke—See Want Section—Bids Asked.

W. Va., Parkersburg—Steve Ersian, Akron, O., reported, has contract for sewer, Eastern section.

#### Street Railways

Tex., Texarkana—Texarkana Street Railway Co., capital \$204,000, incorporated; James C. Kennedy, A. Lieberman, W. E. Bann.



### Telephone Systems

Ala., Murrycross—Murrycross Telephone Co., incorporated; Dr. J. W. Lawrence, Pres., reported, plans line from Gadsden to Cherokee County line.

Ky., Hyden—Leslie County Telephone Co., incorporated; H. C. Faulkner, H. M. Hensley, W. M. Roberts.

Miss., McComb—X. A. Kramer, reported, will erect 2-story, 50x115-ft. building, N. Bdw., second floor occupied by Southern Bell Telephone & Telegraph Co., G. W. Maxwell, local Mgr., install \$250,000 equipment; H. C. Lindsey, Archt., Lemar Bldg., Jackson.

Miss., Starkville—Magnolia State Telephone Co., reported, acquired Sturges Telephone Co., operate.

Mo., St. Louis—Southwestern Bell Telephone Co., reported, soon receive bids for 3-story addition to equipment storage and distributing plant; \$85,000.

Oklahoma—Standard Telephone & Telegraph Co. (Delaware Corp.), reported, take over and operate telephone exchanges in 21 towns.

Texas—Southwestern Bell Telephone Co., St. Louis, Mo., reported, applied to Interstate Commerce Comm. to acquire Alderman Telephone Co. and Pecos & Rio Grande Telephone Co.

Tex., Edcouch—Rio Grande Valley Telephone Co., reported, plans combination exchange building and residence; 1 story, frame; R. C. Brown, Contr., Mercedes.

### Textile Mills

Ark., Pine Bluff—Pine Bluff Cotton Mill Co., incorporated; J. L. Longino, 1119 W. 19th St.

Ga., Buchanan—G. Richardson, Haralson County Bank, C. F. Pearce, Mgr., Tallapoosa Mills, reported, interested in establishing \$100,000 cotton mill. 3-8

Ga., Dalton—Wescott Hosiery Mills (owned and operated by Dalton Hosiery Mill), reported, erect 2-story extension to plant and dye house; steel frame, wood floors; Lockwood, Greene & Co., Inc., Engrs., Charlotte, N. C., Engrs.

Ga., Fitzgerald—F. W. Jefferson, Pres., Cochran Cotton Mills, Cochran, reported, remove mill to Fitzgerald; erect dwellings and operatives houses.

Ga., Hawkinsville—Timothy Mooney and associates of Fall River, Mass., reported, acquired Cochran Mills No. 2; transfer looms for specialty fabrics from East.

Ga., Swainsboro—Otto G. Price, Sec., Kiwanis Club, advises Emanuel Cotton Mills being organized with \$175,000 capital; establish cotton mill; contracts not let for building or machinery.

N. C., Belmont—Stowe Thread Co., capital \$750,000, incorporated; R. L. and S. P. Stowe, and A. C. Lineberger

N. C., Biltmore—Sayles Finishing Plants, Inc., Saylesville, R. I., advises recent report Sayles-Biltmore Bleacheries would erect \$1,500,000 bleaching and finishing plant is without foundation.

N. C., Burlington—Pence Hosiery Mills, Inc., capital \$100,000, chartered; John M. Coble, Jr., I. R. Penninger; manufacture half hose; daily capacity 250 doz.; install 40 knitting machines, cost \$35,000.

N. C., Hickory—Francis F. Patterson, Charlotte, reported, interested in organizing company with \$100,000 capital; establish fabric plant.

N. C., Lincolnton—Rudisill Spinning Mill Co., capital \$200,000 common and \$50,000 preferred; A. A. Whitener, Hickory; C. A. Rudisill, Cherryville; acquired Roseland Mill; erect 40 ft. addition; install machinery; \$100,000. 3-8

N. C., Badin—Charles A. Cannon, Concord, and Hampton Mfg. Co., Clover, S. C., reported, to build yarn mercerizing plant.

N. C., Greenville—Chamber of Commerce, reported, negotiating with outside capitalists for plush mill. 2-9

N. C., Reidsville—Klotz Silk Mills, Clifton, N. J., reported, has building; remodel for silk mill.

S. C., Blacksburg—Blacksburg Spinning Mills, reported, plans doubling plant.

S. C., Clinton—W. J. Hadfield and Sol Stutz, of Hazleton Heights Silk Co., Hazleton, Pa., reported, establish \$100,000 silk mill; manufacture crepe de chine, georgettes.

S. C., Goldville—Joanna Cotton Mills, reported, acquired 194 acres, contemplate building.

S. C., Greenville—Stockholders of Brandon Mills, Poinsett Mills, both Greenville, and

Woodruff Cotton Mills, Woodruff, will vote Apr. 17 on merger. 3-15

S. C., Grover—Manette Mfg. Co., reported, erecting addition.

S. C., Hartsville—Hartsville Dyeing and Finishing Co., Fred C. Voegel, Pres., Easton, Pa., Robt. W. Bole, Treas., New York; capital \$450,000; preparing to begin work on spur track leading to mill; site of 20 acres parallel to Black Creek with natural drainage; buildings will be 80x800 ft., part 1 and 2 story; dismantle plant at Easton; start work on bleaching, dyeing and finishing plant April 15; Robert & Co., Inc., Engrs., Atlanta, Ga.

Tenn., Athens—Chilhowee Mills Co. let contract to A. W. Prather for \$40,000 mill (not including heating, wiring and plumbing); mill construction, sawtooth roof, first floor approximately 30,000 sq. ft. 2-16

Tenn., Bemberg, P. O. Elizabethethon—American-Bemberg Corp., 180 Madison Ave., New York, reported, has plans for third unit of rayon plant. 12-1

Tenn., Murfreesboro—Robert & Co., Inc., Atlanta, Ga., advises plans now being prepared for silk mill for M. J. Frank & Co.; date of opening bids not set. 3-15

Tex., New Braunfels—Texas Gauze Mills, reported, increased capital to \$22,700. 10-27

Va., Berryville—Chamber of Commerce, reported, negotiating with outside capitalists for silk mill; to be operated as Berryville Silk Mill; have building, remove 33 looms and auxiliary machinery from New Jersey; later plan erecting plant.

Va., Hopewell—Tubize Artificial Silk Co. of America, reported, plans \$1,000,000 expansion program.

Va., Narrows—Cavaller Hosiery Mills, reported, increased capital, \$20,000 to \$50,000. 3-1

Va., Orange—Orange Textile Mills, Inc., capital \$46,000, incorporated; establish tapestry plant; Wm. A. Black, Central Savings Bank Bldg., Baltimore, Md., interested; start work on building immediately.

### Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Mobile—Leon Schwarz, Mayor, contemplates issuing \$600,000 bonds for extension of sewers and water mains in recently annexed territory and 20 miles of white way lighting.

Ala., Tuscaloosa—T. R. Rogers, Coaling, reported, has contract for clearing 172 acres land mouth of Little Yellow Creek for proposed reservoir.

Ark., Lonoke—City, reported, plans water improvements.

Fla., Bonifay—City votes April 3 on \$50,000 water and sewer bonds. 2-9

Fla., Madison—Town Council, reported, voted extend water mains to Sessions Hills section.

Ky., Livermore—City and Livermore Water Tank Co. expend \$22,000 for water system, 60,000 gal. steel elevated tank, possibly electric pumping station; bids taken on all work except pumping station; Mr. Shifley, Engr. and Mayor; McWane Cast Iron Pipe Co., Birmingham, Ala., contract for pipe; Henry Vogt Machine Co., Louisville, Ky., for hydrants and valves; Chattanooga Boiler and Tank Co., Chattanooga, Tenn., for tank and tower.

La., Alexandria—See Want Section—Bids Asked.

Md., Towson—See Want Section—Bids Asked.

Miss., Lake—City receives bids latter part Apr. for \$20,000 water works; Morgan & Co., Inc., Engrs., Edward Bldg., Jackson.

Miss., Mendenhall—City, reported, ratified 20-yr. franchise and sale of electric light and power system to M. L. Culley, New First Nat'l Bk. Bldg., Jackson; begin work on system in June. 1-26

Miss., Natchez—Oliver Anderson Co., 411 N. Seventh St., St. Louis, Mo., reported, negotiating for water plant.

Miss., Pass Christian—Jno. A. Sutter has contract for water improvements; 6-in. artesian well, 1200 ft. deep.

Mo., Arcadia—City, reported, plans 40,000 gal. tank on tower, distribution system, etc.

Mo., Perryville—City votes Apr. 17 on \$120,000 water bonds.

Mo., Poplar Bluff—City, reported, select

engineer about Sept. 1 for filtration system and reservoir.

N. C., Asheville—Woodfin Water and Sewer Dist., reported, voted to install equipment, lay water mains.

N. C., Greensboro—City construct 12-in. water main connect Proximity water works with city; Lynchburg Pipe and Foundry Co., Lynchburg, Va., contract for pipe.

N. C., Pittsboro—City votes May 1 on water bonds. See Financial News—Bond Issues Proposed.

Okla., Bethany—City, reported, extend water system.

Okla., Kingfisher—City, reported, plans additional water supply.

Okla., Mulhall—City expend \$20,000 water improvements, 50,000-gal. tank and tower, pumping plant and water works; H. E. Musson, Engr., Engrs. Gr. Ex. Bldg., Oklahoma City. See Want Section—Machinery and Supplies. 3-15

Okla., Skiatook—City, reported, extend water works.

Okla., Rush Springs—City voted \$30,000 water bonds.

S. C., Cowpens—City receives bids Apr. 3 for sewer and water improvements. See Want Section—Bids Asked.

Tenn., Johnson City—D. D. Marable, reported, install 6-in. water main and white way in Oakland Gardens.

Tex., Beaumont—City, reported, construct 6-in. c.i. water main, Highland Ave. to Adams St.

Tex., Beaumont—Bernard Deutser, Thread-needle Bldg., reported, closed contract with W. F. Warfield & Co., 1698 Orange St., for constructing 6-in. water line in Calder Highlands, 4 miles pipe; \$27,500.

Tex., Big Lake—Vedder Constr. Co., Miami, reported, has water works contract. 3-1

Tex., Elsa—Town, reported, constructing water system, 1,000,000-gal. reservoir, c. i. mains, etc.

Tex., Graham—City votes Apr. 10 on \$225,000 water bonds. 2-16

Tex., Littlefield—City, reported, voted \$10,000 water bonds. 2-16

Tex., Port Neches—M. Griffing O'Neil of Municipal Engineering Co., Athletic Bldg., Dallas, reported, making survey for water and sewer system.

Tex., Quinque—City, reported, votes Mar. 26 on \$66,000 bonds.

Tex., San Angelo—O. W. Evans, El Dorado, Ark., reported, acquired water works.

Tex., Teague—E. L. Martin, Dallas, reported, has contract for water reservoir and pump.

Va., Buena Vista—City, reported, lay 6465 ft. water main, install fire hydrants.

Va., Stanley—J. B. McCrary Engineering Corp., Atlanta, Ga., will design and supervise installation city water system.

W. Va., Morgantown—Morgantown Water Co., reported, expend \$80,000 for water improvements.

### Woodworking Plants

Miss., Columbus—Staves—Knox Bros., Wm. K. Knox, Pres., reported, plans extension, double capacity, erect 2 dry kilns, install shops for manufacture oak flasks for export and kegs for domestic distribution.

Miss., Meridian—Furniture—F. A. Hulett & Son, Front St., capital \$300,000, incorporated; F. A., A. W. and F. C. Hulett.

N. C., Murphy—Crown Veneer Co., O. J. Coffin, Pres.-Mgr., erect 40x100-ft. plant, day labor; moving equipment from former plant in Georgia. 2-15

N. C., Sanford—Millwork—Makepeace Box & Lumber Co., W. R. Makepeace, Pres., will erect 75x150-ft. plant, tile, comp. roof, \$30,000; day labor; install equipment; incorporated under name of Makepeace Millwork Co. See Want Section—Machinery and Supplies.

N. C., Winston-Salem—Fibre Furniture—Fogle Furniture Co., Vargrove St., F. A. Fogle, Pres., reported, erect \$20,000 plant, Vargrove and Fayetteville Sts., 2-story and basement, 60x144-ft., frame.

### FIRE DAMAGE

Ala., Bellamy—E. F. Allison Lumber Co.'s buildings, loss \$150,000.

Ark., Imboden—Mrs. E. T. McKamey's residence; loss \$10,000.

Ark., Springdale—Fletcher Motor Co.'s warehouse, W. H. Byars grist mill, Meadow St.

Ga., Folkston—Charlton County courthouse; loss \$20,000. Address County Commrs.

Ky., Newport—George Wiedermann Brewing Co.'s malt plant; loss \$100,000.

Ky., Prestonsburg—Mrs. W. S. Harkins' residence, 1205 Charleston Ave.; Post Office, telephone exchange, Floyd County Times Music Co., loss \$20,000.

La., Edgerly—Henry B. Reed's residence; loss \$10,000.

Md., Baltimore—Geo. L. Seldner Bedding and Felt Co.'s plant, 11 N. Frederick St.

Md., Towson—Maryland Cork Co.'s plant.

Miss., Bay St. Louis—Louisville & Nashville R. R. depot; loss \$80,000.

Miss., Belzoni—Residences of Fred Cockrell and W. S. Smith.

Miss., Blue Mountain—Ebenezer Presbyterian Church near Blue Mountain. Address The Pastor.

Mo., Eldon—C. T. Buehler's drug store and Dr. J. W. Lane's office; loss \$10,000.

Mo., Jefferson City—Missouri Paper Box Factory; loss \$25,000; operated by Tweedle Shoe Manufacturing Co.

N. C., Sanford—Makepeace Box and Lumber Co., Sanford Steam Laundry; loss \$175,000.

Okla., Springdale—W. H. Byars' grist mill. S. C., Rock Hill—Residence of J. S. Crawford and R. A. Shelton; residence of C. F. and M. H. Nunn.

S. C., Spartanburg—Standard Cloak Co., 115 E. Main St., Converse Hat Shop, loss \$70,000.

Tenn., Athens—Blue Goose Grocery store; R. D. Bayless, owner.

Tex., Carbon—Carbon Motor Co., Tate Bldg., etc.; loss \$100,000 to \$150,000.

Tex., El Paso—Spears & Miller's cottonseed mill; loss \$175,000.

Tex., Livingston—Livingston Drug Co.'s store.

Tex., Midland—Four 80,000 bbl. oil tanks of Magnolia Refining Co.

Va., Farnham—Grover Grann's residence near Farnham.

Va., Imboden—Stonega Coal and Coke Co.'s commissary; loss \$50,000.

Va., Front Royal—Barrack, Remount Station near Front Royal; loss \$30,000. Address Commandant.

Va., Gore—David Johnson & Son's flour mill.

Va., Newsoms—Newsoms Supply Co.'s store and others; loss \$50,000.

Va., Winchester—W. O. McIntyre's store, John W. Parrish's warehouse and others; loss \$30,000.

and 47th St.; furnishings, equipment, etc., \$5000; plans by H. M. King, Archt. Sec. Bd. of Extension of M. E. Church, South, 1115 Fourth Ave., Louisville, Ky. See Want Section—Building Materials and Equipment. 1-26

Ala., Birmingham—Fairmore Methodist Church, Rev. R. G. Pugh, Pastor, erect first unit \$20,000 building.

Ala., Mobile—All Saints P. E. Church, Rev. Thos. R. Bridges, Rector, erect \$50,000 Sunday school; brown stone, 2 stories, 100x93 ft. J. Platt Roberts, Archt., First Natl. Bank Bldg.

Ark., Fort Smith—Dodson Avenue Methodist Church, T. L. Hunt, Chmn. Bldg. Comm., 10 Linwood Hillcrest, enlarge church and erect Sunday school; 3 stories, 50x30 ft.; \$12,000.

D. C., Washington—St. Albans P. E. Church, Rev. Chas. T. Warner, Rector, erect \$100,000 parish house after plans by W. I. Deming, 808 Seventeenth St., N. W.

D. C., Washington—St. Paul's English Lutheran Church, Rev. W. C. Waltermeyer, Pastor, 1813 Kalorama Rd., reported; erect \$500,000 church, Sunday school, parish hall and parsonage, Ellicott and Everett Sts., N. W.; stone; Frohman, Robb & Little, Archts., 16 Jackson Sq., N. W., Washington, and 140 Boylston St., Boston, Mass.

Ga., Atlanta—Oakhurst Presbyterian Church erect \$35,000 building; brick veneer, 2 stories and basement, 90x40 ft., conc. footings, struct. steel, wood joist, conc. and oak floors, comp. shingle roof; Chas. H. Hopson, Archt., steel, wood joist, conc. and oak St., S. W., low bidder.

Ky., Fulton—First Christian Church, Rev. B. J. Cantrell, Pastor, repair, remodel or erect new building to replace burned structure. 3-8

La., Opelousas—Temple Emanuel, M. Winsberg, Pres., organized; erect synagogue. 1-26

La., Shreveport—Central Christian Church have plans ready about 2 weeks for \$40,000 Sunday school; brick and rein. conc., 3 stories, 60x110 ft., rein. conc. foundation, metal ceilings and lath; Jones, Roessle, Olshner & Weiner, Archts., Ardis Bldg. 10-27

Md., Annapolis—First Presbyterian Church, Eugene Mayer, Chmn. Bldg. Comm., Sparview Heights, erect \$150,000 church, Sunday school and manse; brick, 3 stories; plans by A. G. Lamont, 156 Fifth Ave., New York.

Md., Baltimore—Agudath Achim Anshe Sfard, Jacob Mizen, Pres., 2949 Frederick Rd., having plans drawn by Edwin H. C. Browne, 516 N. Charles St., for \$200,000 synagogue, 4237-39 Park Heights Ave.; Byzantine type, limestone and brick, 70x100 ft., seat 1000 to 1200; Sunday-school in basement. 10-13

Md., Baltimore—Howard Park M. E. Church, Rev. J. E. Kemp Horn, Pastor, 3506 Gwynn Oak Ave., erect 2-story community bldg., cost about \$150,000; 107x42 ft., and sanctuary 50x106 ft.; stone, slate roof, steam heat; existing bldg. and one of above for Sunday school.

Md., Baltimore—Grace M. E. Church, Dr. Benj. W. Meeks, Pastor, 309 Woodlawn Rd., engaged Mr. Frohman, of Frohman, Robb & Little, 140 Boylston St., Boston, Mass., to make preliminary sketches in connection with plans for \$400,000 building, Roland Park; understood same architects will be engaged to prepare plans for structure; I. Manning Parsons, Chmn., Bldg. Comm., 39 Hopkins Place. 12-22

Miss., Columbus—First Baptist Church may erect \$100,000 Sunday school annex. Address The Pastor.

Mo., Gideon—Methodist Episcopal Church, South, W. R. Anderson, Chmn. Bldg. Comm., erect \$60,000 brick building after plans by H. M. King, Archt., Sec. Bd. of Extension of M. E. Church, South, Louisville, Ky.; 2 stories and basement, 102x54 ft.; bids in. 2-2

Mo., Springfield—Pythian Avenue Baptist Church, Rogers and George Sts., Rev. Lynn Swadley, Pastor, erect superstructure; basement completed.

Mo., St. Joseph—First Christian Church erect \$25,000 Sunday school addition; Walter Boschen, Archt., Tootle-Lacy Bank Bldg.

N. C., Durham—Rev. Roma C. Fortune, care St. Phillips P. E. Church, interested in church for deaf mutes.

N. C., Elizabeth City—First Baptist Church considers erecting \$50,000 addition. Address The Pastor.

S. C., Wellford—Baptist Church, Dr. Z. T. Cody, Pastor, plans building.

Tenn., Gallatin—Baptist Church plans \$60,000 building; \$25,000 Sunday school unit first. Address The Pastor.

Tenn., Knoxville—Broadway Baptist Church selected W. J. H. Wallace, 167 8th Ave., N., Nashville, and A. B. Baumann & A. B. Bau-

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Ga., Waycross—Loyal Order of Moose erect steel and brick lodge and office building; 2 stories and basement, 100x50 ft., built-up roof.

La., Coshatt—Ancient Free and Accepted Masons erect \$20,000 brick temple; stores on first floor.

La., New Orleans—Young Men's Christian Assn. selected Favrot & Livaudais, Ltd., Hibernia Bldg., as architects for \$875,000 building, Lee Circle and St. Charles Ave.; main and auxiliary gymnasiums, 75-ft. swimming pool, showers, etc.

Md., Cumberland—Henry H. Hart Post, Veterans of Foreign Wars, plan clubhouse.

Mo., Moberly—Young Men's Christian Association ready for bids about March 25 for \$250,000 building; brick, 4 stories, 100x120 ft., yellow pine floors, tile and asphalt roof, steam heat; Ludwig Abt, Archt. 9-22

Mo., St. Louis—Young Men's Christian Assn. Bd. of Directors selected Mauran, Russell & Crowell, Chemical Bldg., as architects for \$400,000 South Side Branch, Grand Blvd. and Shennadoh Ave.; brick, stone, terra cotta and rein. conc.; Saml. C. Davis, Pres., Y. M. C. A., 1526 Locust St. 2-23

Texas—Texas State Teachers' Assn., Neil P. Anderson Bldg., Fort Worth, W. L. Hughes, Pres., College Station, considers erecting headquarters building; location not determined.

Tex., Edinburg—Ancient Free and Accepted Masons let contract soon for \$30,000 temple; brick and stucco, 2 stories; A. H. Woolridge, Archt., McAllen.

Tex., Mission—Ancient Free and Accepted Masons erect \$25,000 temple after plans by A. H. Woolridge, McAllen; brick, 2 stories; bids in. 8-11

Tex., San Angelo—Salvation Army, O. A. Grief, Ensign, raising \$20,000 to enlarge building.

#### Bank and Office

D. C., Washington—M. G. Lepley, Archt., 1010 Vermont Ave., N. W., reported, taking bids on \$250,000 office building, 1421 I St., N. W.; brick, 11 stories.

Miss., Macon—Bank of Macon call for bids about 30 days for \$15,000 addition; 1 story, 34x60 ft., brick, stone trim, marble floor, 2 vault doors, bank fixtures, comp. built-up roof, steam heat; P. J. Krouse, Archt., M. & W. Bldg., Meridian.

Mo., Kansas City—Kansas City Power & Light Co., Jos. F. Porter, Pres., start plans by June 1 for shop and office building. 3-8

Mo., St. Louis—International Life Insurance Co., Eighth and Chestnut Sts., reported,

erect \$1,000,000 office building; rein. conc., brick, steel and stucco.

Mo., St. Louis—Jos. J. Ternes, Mgr., Arcadia Ballroom, 3517 Olive St., reported, considers office building, Lindell Blvd. near Whittier St., if zoning ordinance is amended.

N. C., Charlotte—Standard Oil Co. add story to garage for offices, W. First St., Washington pressed brick, about 92x100 ft., asphalt roof, extend heating plant; F. W. Bonits, Bldg. Engr. for Company; Baltimore office considering bids.

N. C., Greensboro—J. S. Duncan, 632 Jeff. Stand. Bldg., erect \$35,000 office bldg., W. Market St. near Greene St.; 3 stories and basement, 50x20 ft., light face brick.

Tenn., Chattanooga—O. B. Andrews erect \$10,000 office building, Rossville Blvd., near Central Ave.

Tenn., Nashville—Victor Chemical Co., Centennial Bldg., erect brick and concrete office building; 2 stories and basement, 37x56 ft.; Marr & Holman, Archts., Stahlman Bldg.; bids in.

Tex., Del Rio—First National Bank receiving local bids for brick, tile, rein. conc. and stone building; 1 story; Geo. Willis & Emmett T. Jackson, Archts., 610 Bldrs. Exch. Bldg., San Antonio. 1-12

Tex., Houston—Federal Land Bank selected Hedrick & Gottlieb, Post-Dispatch Bldg., as architects for bank building, Brazos and Lamar Sts.; probably rein. conc., brick and hollow tile, 1 story; \$100,000.

Tex., San Angelo—Ed Rowley and H. B. Robb, 3853 Normandy St., both Dallas, Tex.; John D. Jones, San Angelo, and W. G. Underwood, New York, erect 6-story theater and office building, Twihlg St.; \$280,000; furnishings, equipment, etc., \$75,000; 100-ft. front, high-speed elevator, Frigidaire cooling system, stage equipment; mezzanine; store and 2000-seat theater on first floor, 74 offices above.

Tex., San Antonio—McKenzie Construction Co., Contr., 716 Travis Bldg., receives bids Mar. 26 for elevators, terra cotta, cast stone and granite for \$3,000,000 Smith-Young Bldg. for Smith Brothers Properties, Inc., 431 St. Mary's St.; Atlee B. & Robt. M. Ayres, archts., Bedell Bldg. 3-15

Tex., San Antonio—United Service Auto Assn., 1400 Grayson St., erect 1-story office addition; 65x80 ft.; Adams & Adams, Archts., Bldrs. Ex. Bldg.

Tex., San Antonio—C. Villemain, 614 Mission St., erect \$10,000 office bldg., Dolorosa St.

#### Churches

Ala., Birmingham—East Birmingham M. E. Church, South, let contract at \$18,750 to Gilmore Construction Co., 1426 Eighth Ave. N., for brick and tile building, Tenth Ave.



mann, Jr., 816½ Market St., Knoxville, as architects for remodeling church and erecting 3-story addition; \$100,000. 10-13

Tex., Bryan—St. Andrew's P. E. Church, Rev. W. W. Daup, Rector, plans church, parish house and rectory.

Tex., Dallas—Mount Auburn Christian Church, Rev. Chas. Chasteen, Pastor, erect auditorium and remodel present structure for Sunday school; \$40,000; T. J. Galbraith, Archt., Slaughter Bldg.

Tex., Hereford—Baptist Church, Rev. V. M. Cloyd, Pastor, plans \$70,000 building.

Tex., Rio Hondo—Community Church, Rev. A. N. Hudson, Pastor, plans 2-story building; raising funds.

Tex., Houston—East End Baptist Church, Cage School, Telephone Rd., plans building, Lawndale Ave. near Telephone Rd. Address The Pastor.

Tex., Pampa—Baptist Church having plans drawn by Will H. Lightfoot and Rabey Funk, Asso. Archts., Amarillo, for \$100,000 building; Spanish mission type, 3 stories and basement, light cream brick, red clay tile roof. 2-2

Tex., San Angelo—First Baptist Church remodel building, E. Harris and Oakes Sts.; \$20,000. Address The Pastor.

Tex., Tulla—Methodist Episcopal Church, South, erecting \$22,500 brick building; 2 stories and basement, 45x87 ft. I-shape, paving brick foundation, Barrett Giant composition roof; furnishings, equipment, etc., \$3000; A. J. Olson, Archt., Cisco. See Want Section—Building Material and Equipment. 3-15

Va., Norton—Methodist Church, Rev. S. H. Austin, Pastor, complete church; \$30,000 to \$40,000.

Va., Richmond—Venerable Street Baptist Church, Rev. C. L. Hammock, Pastor, raising funds for building.

W. Va., Cass—Presbyterian Church, Rev. Fred W. Gray, Pastor, rebuild structure burned at \$20,000 loss; frame, 1 story, 60x50 ft., hardwood floors, tin shingle roof. See Want Section—Building Material and Equipment. 3-15

### City and County

Ala., Dothan—City voted \$50,000 stadium bonds. Address City Council. 1-26

Fla., Jacksonville—Duval County Bd. of Commrs. receive bids Apr. 30 for first unit of Parental Home; \$30,000; accommodate 28 girls; Jefferson D. Powell, Archt., Professional Bldg. 2-16

Fla., Sebring—City Council plans city hall.

Ga., Atlanta—City, Councilman Howard C. McCutcheon, Chmn., City Hall Comm., call for bids in few days, contract about Apr. 15, for foundation for \$1,000,000 city hall; steel and conc. frame, fireproof, 15 stories; G. Lloyd Preacher & Co., Inc., Archts.-Engrs., Wynne-Claughton Bldg. 1-26

La., Cameron—Cameron Parish Police Jury plans \$100,000 courthouse; tentative designs from Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans.

La., Springfield—Livingston Parish votes in Apr. on proposition to move courthouse from Springfield. Address Police Jury.

La., Winnboro—Franklin Parish Police Jury receives bids April 12 for brick jail; plans from C. L. Snyder, Pres.

Mo., St. Louis—Bd. of Public Service, City Hall, has low bid at \$369,341 from Kenton Construction Co., Wainwright Bldg. for completed Police Headquarters Bldg.; other bids: Heating, Sodemann Heat and Power Co., 2306 Morgan St., \$89,187; electric work, E. O. Dorsch Electric Co., 1405 Olive St., \$64,594; hardware, Shapleigh Hardware Co., Fourth and Washington Sts., \$8054; elevators, Houghton Elevator and Machine Co., 2308 Lucas Ave., \$45,650; rubber flooring, Sears & Plou, 1003 N. Sixth St., \$3770; linoleum, B. Nugent & Bros. Dry Goods Co., Broadway and Washington Ave., all St. Louis; jail equipment, Fries & Son Steel Construction and Engineering Co., Inc., Covington, Ky., \$107,317; Kenton Construction Co. also low bid at \$298,412 for superstructure of police gymnasium; heating, J. A. McBride Mechanical Equipment Co., 2639 Locust St., at \$25,930; electric, E. O. Dorsch Electric Co., \$16,890; hardware, Shapleigh Hardware Co., \$1550; Mauran, Russell & Crowell, Archts., Chemical Bldg.; W. W. Huff, Const. Engr., 1211 Fullerton Bldg.; Hallett Engineering Co., Heating Engr., 817 Ambassador Bldg.; J. M. Wheeler & Co., Plbg. Engr., 5190 Delmar Blvd. 2-9

Tenn., Athens—McMinn County Court, W. A. Latham, member, receives bids Apr. 3 for alterations and annex to courthouse; \$60,000;

marble and terrazzo corridor floors, steel, iron and marble stairs; Dougherty & Gardner, Archts., Stahlman Bldg., Nashville. 2-16

Tex., Alice—City has plans completed by Hardy & Curran, Riggan Bldg., Corpus Christi, for \$15,000 city hall; hollow tile, stucco and rein. conc., 2 stories. 2-2

Tex., Bay City—City voted \$30,000 city hall and fire station bonds. Address City Council.

Tenn., Columbia—Memorial Assn., care Bethel Hotel, plans memorial building for Columbia and Maury County.

Tex., Greenville—City may vote on municipal building and fire station bonds. Address City Council.

Tex., Mercedes—Jewish Congregation, Ben Goldman, Chmn., Bldg. Comm., erect \$30,000 tile and stucco synagogue after plans by W. R. Varner, Wittenbach Bldg., Harlingen; rein. conc., steel, auditorium and basement, 44x90 ft. 3-8

Tex., Pittsburg—Camp County Commrs. Court authorized \$80,000 courthouse; fireproof, brick veneer, 3 stories and basement.

Tex., Port Arthur—Chamber of Commerce interested in hospital.

Tex., San Angelo—City Comm., E. V. Spence, City Mgr., receives bids Mar. 31 for city hall and auditorium; \$250,000; furnishings, equipment, etc., \$35,000; auditorium seat about 2000; plans from Trost & Trost, Archts., Two Republics Bldg., El Paso. 2-23

Tex., San Angelo—Harold Broome, Maj. F. H. Blake and others interested in \$40,000 recreational center and swimming pool.

Tex., San Angelo—Tom Green County Commrs. Court, J. T. Mathison, Co. Judge, receives bids Apr. 2 for furnishings for \$300,000 courthouse under constr.; Anton F. Korn, Jr., Archt., Thomas Bldg., Dallas; B. M. Morgan, Asso. Archt., San Angelo Natl. Bank Bldg., San Angelo; R. O. Jameson, Engr., S. W. Life Bldg., Dallas; P. O'B. Montgomery, Contr., Constr. Ind. Bldg., Dallas. 10-27

Va., Roanoke—City, W. P. Hunter, City Mgr., Municipal Bldg., receives bids Mar. 30 for fire station, South Roanoke; \$25,000; fireproof, brick, 2 stories, conc. and wood floors, slate roof; plans from L. P. Smithy, Archt., 112 Kirk Ave., S. W.

### Dwellings

Ala., Birmingham—A. W. Smith, 2036 Twenty-sixth St., erect brick veneer, stone and stucco residence, Ridge Drive, Rockridge Park; 2 stories and basement, 90x37 ft., slate roof, steam heat; Miller & Martin, Archts.; J. A. Lewis, Engr., both Title Guarantee Bldg.

D. C., Washington—Boss & Phelps, 1417 K St., N. W., erect 14 dwellings, Foxhall Village, Q St.

Fla., Miami Beach—Chas. W. Meyer, 704 N. E. 24th St., erect \$12,500 residence, 1732 Collins Ave.; 7 rooms, 2 baths.

Fla., Sarasota—H. Harry Bell, Masonic Bldg., Augusta, Ga., plans residence, St. Armands, Ringling Isles.

Fla., Sarasota—T. P. Cuthbert, Chmn. of Bd. Continental Clay Products Co., Oliver Bldg., Pittsburgh, Pa., erect residence, Longboat Key, Ringling Isles, during summer; advises will not build this year.

Fla., Sarasota—G. Jaeger, Pres., Jaeger Machine Co., Columbus, O., plans one or more dwellings, Ringling Isles.

Ga., Atlanta—P. B. Hopkins, 275 Peachtree St., erect 2 brick veneer dwellings, 1394-1400 Boulevard Drive, N. E.; \$10,000.

Ga., Atlanta—E. M. Myers, erect \$10,000 duplex, 1690 Rock Springs Rd., N. E.; 2 stories, brick veneer.

Ga., Atlanta—J. B. Richardson, 170 Hurt St., N. E., erect 2 brick veneer dwellings, 665 Lexington Ave.; \$10,000.

Ga., Atlanta—J. R. Phillips erect \$10,000 brick veneer residence, 599 E. Morningside Drive, N. E.; 2 stories.

Ga., Atlanta—A. Burdell, 50 Pryor St., N. E., receives bids Mar. 27 for face brick residence; \$25,000, 2 stories and basement, 53x39 ft., brick foundation; Burge & Stevens, Archts., 101 Marietta Bldg.; following contractors estimating: Gilbert Beers; Padgett & Sutton, Bona Allen Bldg.; W. C. Garmon, 24 Piedmont Ave.

Ga., Atlanta—Edwin Coolege, 1050 Ponce de Leon Ave., plans brick residence; 2 stories and basement, steam heat.

Ky., Louisville—S. O. Hammon, 1879 Woodfel Way, erect \$15,000 residence, 1210 Summit St.

La., New Orleans—W. T. Coltrane, 214 Clairmont Drive, erect double cottage.

La., New Orleans—G. J. Palmer, Orme Bldg., 911 Bienville St., erect bungalow, Livingston Place; about ready for bids.

La., New Orleans—Tilden J. Wright, 2067 Lavender St., erect single residence.

La., New Orleans—Weiss, Dreyfuss & Seiferth, Archts., Malson Blanche Bldg., receiving bids for 1-story frame and stucco dwelling and garage, Versailles Blvd. near Fountainbleau Drive; tile roof and baths, hot water heat.

La., New Orleans—Lockett & Chachere, Archts., Balter Bldg., receiving bids for hollow tile and stucco dwelling, Carrollton Ave., near Lowerline St.; 1 story and basement, slate roof, warm air heat; \$10,000.

Md., Baltimore—Herman Home Builders, Inc., 3906 Clayton St., erect 8 brick dwellings, 3700 block Culver St.; 2 stories; \$16,000.

Md., Baltimore—R. Pierce Buffington, 1000 Hillen St., erect residence, Tunbridge Rd. and Tilbury Way, Homeland.

Md., Baltimore—Oaklawn Realty Co. erect 7 semi-detached dwellings, Eugene Ave. and Biddison Lane; 2 stories; \$10,000.

Md., Baltimore—Theophilus White, Continental Bldg., erect \$18,000 dwelling and garage, 1502 Roland Ave.; stone, 2 stories.

Md., Cockeysville—Cockeysville Fire Co. erect \$15,000 fire hall.

Md., Lutherville—Mrs. Frank S. Hambleton rebuild Hambletdune, residence burned at \$150,000 loss.

Miss., Picayune—B. F. Herman erect \$10,000 Spanish type residence; Shrouds & Bean, Archts., Bk. of Gulfport Bldg., Gulfport.

Mo., Anderson—Rev. A. R. Foster erect residence.

Mo., Anderson—Jas. A. Royce erect residence.

Mo., Clayton, St. Louis—Wm. Glicker, 728 Yale St., erect \$10,000 brick residence and garage, Maryland St.; 35x33 ft.

Mo., Clayton, St. Louis—Smith & Foley, 2307 Kienlen St., erect 3 brick dwellings, Glenechart St.; 26x36 ft. and 24x32 ft.; \$10,000.

Mo., Joplin—E. P. Martin, 104 Byers St., erect \$10,000 brick veneer residence, 519 Jackson Ave.; L. M. Barbee, Contr., 1531 Harlem St.

Mo., Kansas City—J. L. Miller, 615 W. 67th St., erect 3 frame dwellings, 7030-36 Bales St.; 1 story, 23x34 ft.; \$10,000.

Mo., Kansas City—Gottlieb Minkin, 5603 Rockhill Rd., erect 4 dwellings, W. 56th St. near Wornall Rd., Sunset Hill; about \$20,000 each.

Mo., Kansas City—Frank Metcalf erect two dwellings, 7115 Summit and 7101 Jefferson Sts.; frame and stucco, 2 stories, 27x30 ft.; \$16,000.

Mo., Kansas City—C. A. Gunn, 1313 E. 59th St., erect 4 frame dwellings, 1316-22 and 1525 E. 59th St. Terr.; 1 story; \$12,000.

Mo., Kansas City—Dr. A. J. McDonald, 1312 Waldheim Bldg., erect \$10,000 residence, 5239 Rockhill Rd.

Mo., Kansas City—Frank E. Vrooman, 3 E. 56th St., erect \$15,000 residence, 4929 Pennsylvania Ave.

Mo., Moberly—E. Faessler erect \$20,000 brick and tile residence; 2 stories, 28x43 ft.; Ludwig Abt, Archt.; bids Mar. 16.

Mo., St. Louis—Jos. Barthold erect brick residence, Bates St. near Grand Blvd.; 2 stories and basement, 28x45 ft., hardwood floors, tile bath, comp. roof, hot air heat; Chas. L. Thursdon, Archt., 130 Kenilworth Ave., Webster Groves.

Mo., St. Louis—Frank Coffman, First Natl. Life Bldg., erect \$13,000 residence, Holly Hills; brick, 1½ stories and basement, 30x38 ft., oak floors, asphalt shingle roof, tile bath, hot water heat O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—E. B. Johnson, care Bel Nor Realty Co., 7600 W. Natural Bridge Rd., erect \$18,000 residence; brick, 2 stories and basement, 52x34 ft., oak floors, tile bath, hardwood floors, hot water heat; Chas. Mellert, Archt., 204 Wainwright Bldg.

Mo., St. Louis—W. J. Lauergan, care Trueblood & Graf, Archts., Chemical Bldg., erect \$20,000 residence, Hampton Pk.; 2 stories and basement, brick and cinder block, 100x38 ft., hardwood and tile floors; bids in.

Mo., St. Louis—Dan H. Mullen, Jr., Archt., Seven Gables Bldg., Clayton, completed plans for 2 dwellings, St. Louis County; brick, 2 stories and basement, 37x36 ft. and 73x23 ft., hardwood floors, tile baths, hot water heat.

Mo., St. Louis—Frank C. Webb, 5092 Maple Ave., erect \$30,000 residence, Moorlands Pk.;

fireproof, brick and stone, 2 stories and basement, 30x80 ft., hardwood floors, tile roof and baths, vapor heat; Jesse L. Bowling & Isadore Shank, Inc., Archts., Arcade Bldg. 3-8

Mo., St. Louis—Geo. B. Willmering, Archt., 4115 W. Florissant Ave., about completed plans for \$15,000 dwelling, Stanford and Midvale Aves.; brick, 2 stories and basement, 40x46 ft., comp. shingle roof, hot water heat.

N. C., Biltmore—Sayles-Biltmore Bleacheries erect additional operatives dwellings.

N. C., Charlotte—Jas. A. Thomas, Charlotte and White Plains, N. Y., plans residence, Sharon Lane.

N. C., Durham—New Hope Realty Co. erect 3 dwellings, Forest Hills; brick, 6 and 7 rooms; \$33,500.

N. C., Ellenboro—Belk Manufacturing Co. erect about 50 operatives' dwellings and apartment house.

N. C., Greensboro—T. D. Sharpe, 687 Percy St., erect \$10,000 residence, 1204 W. Market St.; brick veneer, 2 stories, 10 rooms; W. H. Smith & Son, Contrs., 931 Asheboro St.

N. C., Shelby—C. B. Suttle erect residence.

N. C., Shelby—Joe Nash erect residence.

N. C., Shelby—Harry Hudson erect residence, Highway No. 20; Fred Wright placing material on ground for residence, Highway No. 20.

Okla., Oklahoma City—Harry Frederickson erect \$15,000 brick residence, 707 E. 21st St.

Okla., Oklahoma City—L. C. Stone, 1515 W. 32d St., erect \$10,000 brick residence, 1538 W. 28th St.

Okla., Tulsa—G. C. Probst, Robinson Bldg., erect \$15,000 residence, 2220 Terwiller Blvd.

Okla., Tulsa—A. C. Saunders, Daniel Bldg., erect \$10,000 residence, 228 E. 28th St.

S. C., Whitmire—Aragon-Baldwin Mills erect 25 operatives' dwellings.

Tenn., Memphis—R. G. and Gertrude Amo, 1526 North Parkway, erect \$20,000 duplex; brick veneer, 2 stories and basement, 38x58 ft., oak floors, 2 tile baths, hot water heat, garages.

Tenn., Memphis—Jas. C. Churchill, 308 Empire Bldg., reported, considers erecting 36 duplexes; brick veneer and stucco, 1 story and basement, oak and pine floors, comp. roofs; \$100,000.

Tenn., Memphis—Mrs. T. R. Clyce, care Jas. Churchill & Co., 308 Empire Bldg., erect 6 duplexes, Parkway Place; brick veneer and stucco, 1 story and basement, oak floors, tile roofs and baths, hot water heat; \$60,000.

Tenn., Memphis—Lee Saunders, 461 S. Front St., erect brick residence; 2 stories and basement, steam heat; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg.

Tex., Austin—C. A. Peters, 506 Fannin St., erect \$13,000 brick veneer residence, Edgemont Addition; 2 stories, hardwood and tile floors, asbestos shingle roof, warm air heat; Edwin C. Kreisle, Archt., Scarborough Bldg.

Tex., Beaumont—Chaison Townsite Co. erect 10 dwellings; 4 and 5 rooms, \$2000 each.

Tex., Corpus Christi—Pitkin Co., Robstown Rd., erect 2 six-room dwellings.

Tex., Fort Worth—W. C. Harms, 3144 S. Adams St., erect \$22,500 brick veneer residence, 2517 Ryan Place Drive.

Tex., Fort Worth—Roy Westbrook erect \$60,000 brick veneer residence, 2232 Winton Terrace, West.

Tex., Fort Worth—T. P. Wilkes, Tex. Natl. Bldg., erect \$12,000 brick veneer residence, 2229 Wilshire St.

Tex., Houston—Iver Erickerson erect 2 brick veneer duplexes, 3026-32 Bissonnet St.; 2 stories, 2 baths, 10 rooms; \$14,000.

Tex., Houston—Thos. Blakely, 1112 Kipling St., erect \$18,000 residence and garage, 648 W. 27th St.; stucco, 2 stories.

Tex., Houston—Geo. Ackels erect 2 brick veneer duplexes, Waugh Drive; 2 stories, 12 rooms, \$16,000.

Tex., Houston—Thos. Blakely erect \$18,000 residence, 2203 Brentwood St.

Tex., Houston—Hal M. Davis, University Pl., erect \$15,000 residence, 1909 Bellmeade St.; frame, 6 rooms.

Tex., Houston—B. B. Rogers erect brick veneer bungalow, Niles St.

Tex., Houston—W. M. Truxaw erect \$12,000 residence, 1754 Marshall St.; brick veneer, 10 rooms.

Tex., Houston—C. T. Wilnot erect \$10,000 duplex, 2601 Rosedale St.; 12 rooms, frame.

Tex., Mercedes—Mellon Co., J. H. Mellon erect 10 dwellings, Queen City annex; \$35,000.

Tex., Pittsburg—Mrs. Sam Goldberg erect 2 dwellings, Stafford Hill, in addition to 2 under construction.

Tex., San Angelo—Mrs. Jas. Weddell erect \$10,000 brick residence, 804 Preusser St.

Tex., San Antonio—Alamo Development Co., Travis Bldg., erect 2 dwellings, Furr St.; 6 rooms, \$5000 each.

Tex., San Antonio—L. N. Chambers erect 4 four-room dwellings, Steves St.; 1 on Greer St.; \$15,500.

Tex., San Antonio—T. M. Chambers, care Exchange Realty Co., erect 25 dwellings, Inverness sub-division; Spanish and English types.

Tex., San Antonio—Mrs. Mary Cline purchased country home site, Fredericksburg Road.

Tex., San Antonio—E. F. Schuchard, 258 King William St., erect brick and rein. conc. residence; 2 stories, 8 rooms, 30x42 ft.; Gilles & Beckmann, Archts., Moore Bldg.

### Government and State

Ga., Fort Benning—Constructing Quartermaster, Lieut. W. M. Allison, Fort Benning, has low bid at \$461,500 from A. J. Krebs Co., Walton Bldg., Atlanta, for Ward Bldgs. Nos. 1 and 2 at hospital and Sections F and G of Cuartel Barracks. 3-8

Miss., Vicksburg—Commanding Officer, Q. M. I. Depot, Jeffersonville, Ind., has low bid at \$9352 from R. B. Howard, Vicksburg, for keeper's lodge, National Cemetery; hollow tile, 2 stories and basement, 34x32 ft. 2-9

Mo., Anderson—Geo. Tatum, Mercantile Co. erect armory for National Guard.

Mo., Kansas City—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., reported, soon call for bids for site for post office.

N. C., Fort Bragg—John W. Cowper Co., Inc., Healey Bldg., Atlanta, Ga., estimating on 2 field artillery battalion barracks, 6-company officers' quarters, 7 non-commissioned officers quarters, and utilities, Fort Bragg, bids April 2 by Constructing Quartermaster; brick, stone trim, 3 stories; \$550,000. See Want Section—Building Material and Equipment. 3-8

Tex., Dallas—Dallas Infantry Assn. has permit for \$18,000 armory, 1312 Park St.; concrete and tile, 2 stories.

Va., Quantico—Navy Dept., Bureau of Yards and Docks, Washington, D. C., has low bid at \$788,000 from Murch Bros. Construction Co., Rwy. Exch. Bldg., St. Louis, Mo., for 3 fireproof barracks, Marine Barracks. 3-8

Va., Roanoke—Treasury Dept., Jas. A. Wetmore, Act. Supv. Archt., Washington, D. C., receives bids Apr. 16 for site for post office; \$350,000 available to start construction.

### Hospitals, Sanitariums, Etc.

Ark., Helena—City, D. T. Hargraves, Mayor, received bids Mar. 21 for fireproof hospital; \$150,000, brick and stone, 3 stories and basement, 90x150 ft., concrete tile and linoleum floors, tile roof, vapor heat; Eugene John Stern, Archt., A. O. U. W. Bldg., Little Rock; A. P. Coolidge, Asso. Archt., Helena. 12-29

Fla., Palm Beach—Dr. Edw. Kilbourne Tulledge, Philadelphia, Pa., and Fort Pierce, Fla., and others, reported, erect tuberculosis sanatorium near Palm Beach.

Ga., Atlanta—Piedmont Sanatorium, G. R. Burt, Bus Mgr., 551 Capitol Ave., may erect brick addition; comp. roof, steam heat.

La., Monroe—Riverside Sanitarium considers erecting annex.

Md., Crownsville—Crownsville State Hospital, Dr. Robt. P. Winterade, Supt., having plans drawn by Jos. Evans Sperry, Calvert Bldg., Baltimore, for \$150,000 addition; 100 beds; proj. in preliminary stage.

Mo., Carthage—City, S. I. Barton, City Atty., votes Apr. 3 on \$75,000 hospital addition and improvement bonds; additional \$75,000 available.

Mo., Kansas City—Jewish Memorial Hospital, 501 Ridge Bldg., erect \$850,000 hospital, 50th St. and Troost Ave.; fireproof, 8 stories, terrazzo, concrete and tile floors, slate and comp. roof; Schmidt, Garden & Erikson, Archts., 104 S. Michigan Ave., Chicago, Ill.; Greenebaum, Hardy & Schumacher, Consult. Archts., Scarritt Bldg. 3-15

Mo., St. Louis—Bd. of Public Service, City Hall, has low bid at \$118,950 from Dunham Construction Co., 316 Chemical Bldg., for

pumping station addition, City Sanitarium; Albert Osburg, Archt.; L. R. Bowen, Engr. 2-23

Okla., Claremore—Dept. of the Interior, Office of Indian Affairs, Washington, D. C., appropriated \$50,000 for hospital for Indians; C. L. Ellis, Act. Supt., Indian Agency, Claremore.

Okla., Muskogee—Oklahoma Baptist Hospital, O. T. Graham, Chmn. Bd. of Directors, call for bids about April 1 for \$150,000 addition; rein. concrete and brick, 3 stories, hollow tile, terra cotta; Albert Wood, Archt., 211 Woodward Ave., Detroit, Mich. 1-12

Okla., Tulsa—American-First Trust Co., Oklahoma City, offering \$280,000 6% first mortgage sinking fund bonds to help finance \$500,000 New Morningside Hospital and Training School for Nurses recently completed. 6-9

Tenn., Paris—Dr. Geo. McSwain erect 2-story hospital, Dunlap St.; 15 guest rooms, 2 operating rooms, X-ray equipment.

Tex., Austin—St. David's P. E. Church receives bids Mar. 27 for fireproof annex to St. David's Hospital; \$100,000; conc. frame and brick, hollow tile, 4 stories, 34x128 ft., conc. foundation, built-up roof, conc., tile and linoleum floors, steam heat, 1 dual-control elevator; Giesecke & Harris, Archts., 207 W. Seventh St.; M. Wilson, Engr., care Archt. 3-15

Tex., Austin—City, Adam R. Johnson, City Mgr., receives bids Apr. 5 for face brick, stone and rein. concrete addition to Breckenridge Hospital; \$80,000, fireproof, 3 stories and basement, concrete foundation, tar and gravel roof; furnishings, equipment, etc., \$10,000; H. F. Kuehne, Archt., 824 Littlefield Bldg. 11-24

Tex., Port Arthur—Mary Gates Hospital, Fred P. Dodge, Chmn. of Bd., 2216 Fifth Ave., plans 3-story annex; operating rooms, elevator.

Virginia—Masonic Grand Lodge, Richmond, voted \$137,000 for tuberculosis sanatorium. Address Grand Master.

### Hotels and Apartments

Ala., Mobile—Southern Apartment Co., Inc., Thomas M. Tharp, Pres., 1403 12th Ave., N., Birmingham, erect two \$50,000 apartments, Government and Macy Sts.; brick, 3 stories, comp. roofs; A. M. Tharp, Supt. of Construction, 925 Eliza Ave.

Ark., Fordyce—Kilgore Hotel Co. rebuild burned hotel; 4 stories, 100 rooms, \$100,000.

Fla., Jacksonville—H. C. Lookabaugh, 213 Lutz Bldg., erect \$25,000 apartment; tile, stucco, 2 stories.

Ga., Atlanta—H. C. Badders, 139 Ellis St., erect \$30,000 apartment, 1085 Delaware Ave.; brick veneer, 2 stories, 117x46 ft., hardwood floors, comp. shingle roof, brick foundation; H. B. Schumpert, Archt., Forsyth Bldg. 3-8

Ga., Moultrie—Community Hotel Co., care W. J. Vereen, receives bids April 3 for \$135,000 hotel; struct. steel or rein. concrete frame, 4 stories and basement, 65 rooms, stone trim, built-up roof, concrete and terrazzo floors, steam heat, elevators, stores on ground floor. Following contractors estimating: Grahn Construction Co., 133½ Magnolia Ave., Daytona Beach, Fla.; Joe W. Stout Co., Sanford, N. C.; W. C. Hinton, Cordele, Ga.; A. C. Samford, Shepherd Bldg., Montgomery, Ala.; A. E. Ittner, Albany, Ga.; Haverstick Construction Co., Quitman, Ga.; J. M. Culpepper & Son, Pelham, Ga.; G. C. Wright, Florida Ave. and Peachtree St., Lakeland, Fla.; O. P. Woodcock Co., Duval Bldg., W. T. Hadlow, 32 W. Forsyth St., both Jacksonville, Fla.; Eau Gallie Construction Co., Eau Gallie, Fla.; A. J. Krebs Co., Walton Bldg.; C. H. Van Ormer, Healey Bldg., Atlanta, Ga.; C. J. Rowland; Anton Huber Lumber Co.; Brown Construction Co., all Moultrie, Ga.; Lockwood & Poundstone, Archts., Forsyth Bldg., Atlanta, Ga., associated with T. Firth Lockwood, Murrah Bldg., Columbus, Ga. 1-19

Ky., Louisville—J. H. Brown erect two \$6000 apartments, 806-08 Brookline Ave.; brick, tile.

La., New Orleans—Jones, Roessle & Olschner, Archts., Maison Blanche Bldg., has low bid at \$463,000 from R. P. Farnsworth & Co., for Canal-Commercial Bldg., for 18-story hotel, Dryades and Common Sts., concrete, brick, stone trim, 250 rooms, comp. roof, plastered interior, wood floors, mail chute, hollow metal windows, stores 3 elevators; Frederick D. Von Osthoff Asso. Archt. 3-8

Md., Baltimore—New Howard Hotel, Louis Swimmer, Mgr., add 3 stories to 8-story building and remodel; 100 rooms and baths, \$150,000; Smith & May, Archts., Calvert Bldg.

Miss., Jackson—Geo. Wilson, Greenwood, Mr. Carpenter, Natchez, and others erect



\$300,000 hotel; 7 or 8 stories; use present 3-story Jackson building.

Miss., McComb—Palm Cafe erect addition to building.

Miss., Tupelo—T. A. Jenkins erect 3-story hotel, N. Spring St.

Miss., Vicksburg—K. D. Wells, E. S. Butts, Halls Ferry Rd., and Edgar Levens having plans drawn by H. L. Stevens & Co., Archt., 30 N. Michigan Ave., Chicago, for \$550,000 hotel, Clay and Walnut Sts.; steel, brick, conc., 8 stories, 131 rooms, convention hall seat 300, 5 shops; probably call for bids about May 1. 3-15

Mo., Kansas City—Paul R. Byrum, 714 Ridge Arcade, advises is not connected with Kansas City Building Co., lately reported to erect apartment. 3-8

Mo., St. Louis—Milford Realty & Investment Co. erect \$100,000 apartment, Maury and Flad Sts.; brick, 3 stories and basement, 78x105 ft.; C. E. Etz, Archt., 110 N. Seventh St.

Mo., St. Louis—A. J. Kirchner, 1517 Bellevue Ave., erect \$30,000 apartment; brick, 3 stories, 52x50 ft., comp. asphalt roof, hardwood floors; L. E. Koontz, Archt., Seven Gables Bldg., Clayton.

Mo., St. Louis—Union Realty & Construction Co., 5560 Easton St., erect three 2-story tenements, 4706-10 Spalding St.; comp., tar and gravel roofs, 19x43 ft., \$16,500; M. D. Larner, Archt., 5560 Easton St.

N. C., Asheville—Mrs. Fergus Strikeleather, Hendersonville Rd., receives bids Apr. 27 for \$200,000 apartment; brick, concrete and steel, 4 stories and basement, hollow tile partitions, concrete and hardwood floors, comp. roof, stone trim, electric refrigeration; following contractors estimating: L. Merchant & Co., 290 Biltmore St.; John M. Geary & Co., Battery Park Ave.; McDowell & Garland; Robinson Bros., 3 Page Ave.; G. W. Buchholz, Medical Bldg., all of Asheville; Angle Blackford, 412 Amer. Ex. Bk. Bldg., Greensboro; Frank Durant, Oteen; Morris McKoy Building Co.; Carolina Construction Co., both Greenville; Robt. L. Kane, Archt., 3-1

N. C., Charlotte—G. W. Graham, Jr., 4 Providence Rd., erect \$40,000 apartment, Providence Rd. and E. Fourth St.; 2 stories, brick and tile.

N. C., Elizabeth City—E. F. Aydtlett improve hotel; \$75,000.

N. C., Winston-Salem—S. S. Bohannon erect 2 apartments, Glenn Ave., \$13,500.

N. C., Winston-Salem—R. B. Burton erect \$16,500 apartment, Hawthorne Rd.

Okla., Okmulgee—Mrs. A. F. Schock, 400 S. Morton St., erect \$18,000 apartment; brick, tile, 3 stories; Richard E. Richter, Archt., 1217 E. Ninth St.

Okla., Tulsa—O. Schelegel, 220 S. Boulder St., erect \$200,000 hotel; brick, rein. concrete, 5 stories and basement; F. D. Griffith, Archt., 400 Security Bldg.

Tenn., Nashville—C. L. Whitsett, Howard Apartments, erect 3-story apartment, 17th Ave.; brick, stone, conc., 70x87 ft.; Geo. D. Nevins, Archt., Ind. Life Bldg.; bids in.

Tex., Dallas—W. D. Garlington, 2701 Fairmount St., erect 11-story hotel and apartment, Live Oak St., brick, stone, rein. conc.

Tex., El Paso—A. H. Clapp erect brick veneer hotel.

Tex., Fort Worth—Mrs. C. W. Drake, 4928 Byers St., erect \$12,000 apartment, brick veneer.

Tex., Houston—Rice Hotel erecting \$25,000 roof garden; 42x115 ft.; A. C. Finn, Archt., Bankers Mtg. Bldg.

Tex., Houston—L. Hintz, 4410 Clay St., erect \$10,000 apartment, 401 Everton St.; brick veneer.

Tex., Houston—Clay & San Jacinto Holding Co. erect \$100,000 hotel; 3 stories, 100x100 ft., 70 rooms; James Ruskin Bailey, Archt., 1606 Main St.

Tex., Houston—Minchen Realty & Investment Co., West Bldg., erect \$12,000 apartment, 6624 Canal St.

Tex., Houston—Mrs. Noble F. Meadows erect \$12,000 apartment, 1631 Richmond St.

Tex., San Angelo—J. G. Cortesse, 106 N. Oakes St., erect \$40,000 apartment; brick veneer.

### Miscellaneous

Fla., Orlando—Seminole Driving Park, Inc., W. N. Reynolds, W. M. Davis, 30 W. Gore St., remodel clubhouse at Longwood.

Ga., Atlanta—Gate City Cotton Mills, E. Point, erect \$16,000 nursery, brick.

La., New Orleans—Constant Greco, 232 N. Rampart St., purchased building; re-decorate and refinish; \$10,000.

Mo., Joplin—Schifferdecker Golf Club, T. J. Franks, Chmn., 116½ W. Fourth St., erect \$35,000 clubhouse; Truman Martinie, Archt.

N. C., Highlands—A. M. Hutcheson, Chicago, plans clubhouse.

N. C., Statesville—Woman's Club of Statesville rebuild burned clubhouse, West End Ave.; \$18,000.

Tenn., Chattanooga—Efron Realty Co. remodel building, 600 Market St.; \$25,000.

Tex., Port Arthur—Day Nursery Bd., Mrs. H. F. Banker, Pres., 501 Fifth Ave., erect day nursery in Edgemore Addition.

Tex., San Angelo—San Angelo Country Club plans enlarging clubhouse and erecting bathhouse; \$20,000.

### Railway Stations, Sheds, Etc.

Mo., St. Louis—Wabash Railway Co., R. H. Howard, Ch. Engr., erect station, Delmar and Hodiament Aves.

### Schools

Ala., Auburn—Delta Sigma Phi Fraternity erect \$35,000 fraternity house; Warren Knight & Davis, Archts., Empire Bldg., Birmingham.

Ala., Auburn—Alpha Tau Omega erect \$35,000 fraternity house; Warren, Knight & Davis, Archts., Empire Bldg., Birmingham.

Ala., Fairfield—City voted \$150,000 school bonds; erect 3-story high school, Valley Rd.; Denham-Vankeuren & Denham, Archts., Age-Herald Bldg., Birmingham.

Fla., Crystal River—Citrus County Bd. of Public Instruction receives bids April 3 for 4-room school; plans from Jesse Montague, County Supt.

Ga., Atlanta—Bd. of Education, R. R. Ritchie, Asst. Supt., Walker St., receives bids Mar. 27 on Morningside and Edgewood Ave. Schools. Following contractors estimating: Palmer-Spivey Construction Co., 404 S. Tyron St., Charlotte, N. C.; Joe W. Stout Co., Sanford, N. C.; C. V. York, Citiz. Bk. Bldg., Raleigh, N. C.; Griffin Construction Co., Murphy Bldg.; J. F. Higdon, 33 Exchange Pl.; Wagar & Co., S. E. Ellis St., all Atlanta, Ga.; G. Lloyd Precrer & Co., Archts., Wynne-Claughton Bldg., Atlanta, Ga. 3-8

Ga., Augusta—Bd. of Education erect \$50,000 addition, Tubman High School; brick, stone trim, 12 rooms, built-up roof.

Ga., Griffin—Bd. of Education erect addition to Northside school; 6 classrooms, brick, comp. roof; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta.

Ky., Beaver Dam—Board of Education plans additional rooms, auditorium and gymnasium to school.

Ky., Louisville—Jefferson County Bd. of Education erect \$26,000 school, Cane Run Rd.; brick, 2 stories; Arthur G. Tafel, Archt., 140 S. Third St.; call for bids about 30 days.

La., Bastrop—Morehouse Parish School Bd. erect two 1-story schools, brick, \$40,000; J. W. Smith & Associates, Archts., Ouachita Bk. Bldg., Monroe.

La., Baton Rouge—St. Joseph's Roman catholic Church will sell 5% mortgage bonds; prospectus from Father F. L. Gassler.

La., Covington—St. Tammany Parish School Bd. call for bids about 6 weeks for 2-story high school addition; brick, stone trim, rein. conc. foundation, slate roof; struct. steel and iron work; \$120,000; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans.

La., Foldom—St. Tammany Parish School Board, Elmer E. Lyon, Sec., Covington, receives bids Apr. 6 for 3-room frame school; plans from Mr. Lyon.

La., Lucas—Caddo Parish School Bd. considers brick school; Edw. F. Nield, Archt., City Bank Bldg., Shreveport.

La., New Orleans—Orleans Parish School Bd., E. A. Christy, Supv. Archt., erect colored school, Annette and Miro Sts.; rein. conc., brick, stone trim, 34 classrooms, 3 stories, comp. roof, struct. steel, sprinkler system.

La., Shreveport—Clarence W. King, Giddens-Lane Bldg., completing plans for \$100,000 dormitory on Dodd College campus.

La., Springhill—Webster Parish School Bd., E. S. Richardson, Sec., erect \$70,000 school, rein. conc., brick, stone trim, 2 stories; Edw. F. Nield, Archt., City Bank Bldg., Shreveport; plans probably completed about 60 days.

La., Tullos—La Salle Parish School Bd. has low bid at \$44,000 from John Kelso, Colfax, for 2-story school; rein. conc., brick, stone trim, conc. foundation, comp. roof; J. W. Smith & Associates, Archts., Ouachita Bank Bldg., Monroe. 2-23

Md., Baltimore—St. Benedict's Catholic Church erect \$23,000 parochial school.

Md., Cumberland—Bd. of Education of Allegany County, Edw. F. Webb, Sec., receives bids Mar. 27 for brick addition to La Vale School.

Md., Rockville—Montgomery County Bd. of Education plans following additions: Takoma-Silver Spring High School, 2 classrooms, \$18,000; East Silver Spring school, 2 classrooms, \$14,000; Bethesda-Chevy Chase High School, 8 classrooms, assembly room and gymnasium, \$80,000; school south of Bradley Lane, 7 classrooms, \$40,000; Glen Echo-Cabin John School, 2 classrooms, \$14,000.

Miss., Baldwin—Bd. of Education receives bids April 3 for \$40,000 school; brick and stone trim, 1 story, 12 classrooms and auditorium, comp. roof, steel and iron work; Walter R. Nelson, Archt., Shrine Bldg., Memphis, Tenn. 2-2

Miss., Hollandale—Bd. of Trustees, Hollandale Consolidated School Dist., F. T. Gilley, Pres., rejected bids and receives new bids Apr. 6 for \$90,000 school; rein. conc., brick, stone trim, 1-story, 285x125 ft., rein. conc. foundation, cast stone, struct. steel, misc. iron; J. M. Spain, Archt., Millsaps Bldg., Jackson. 2-23

Miss., Louisville—School Bd., Claude Fair, Pres., receives bids Apr. 9 for \$100,000 school; brick, stone trim, 2 stories, comp. roof, rein. conc. foundation, wood and conc. floors, steel and iron work, metal lath; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 3-15

Miss., McAdams—School Board receives bids March 23 for agricultural high school; brick, 1 story, 8 classrooms, administration room and auditorium; built-up comp. roof; iron and steel work; Frank P. Gates Co., Archt., Edwards Hotel, Jackson. 3-8

Miss., Meridian—Burt Stuart, 1401 24th Ave., drew plans for \$40,000 school; brick, hollow tile, 1 story with basement.

Miss., Oxford—City receives bids Apr. 3 for \$60,000 school; brick, stone trim, 2 stories and basement, rein. conc. foundation, comp. roof, wood floors; following contractors estimating: W. G. Wetmore; W. J. McGee & Son, Lamar Bldg.; J. W. Garrett, 802 Belhaven St., all Jackson, Miss.; S. L. McGinnis, Greenwood, Miss.; E. G. Parish Construction Co., Jackson, Tenn.; Beckelheimer & Small; Massengale & McIntosh, Citizens Bk. Bldg., both Hattiesburg, Miss.; Estes Williams Construction Co., Derman Bldg., Memphis, Tenn.; J. A. Moore, Brownsville, Tenn.; Claude H. Lindsley, Archt., Lamar Bldg., Jackson, Miss.

Miss., Purvis—City votes April 16 on school bonds. Address The Mayor.

Miss., Union—City votes March 30 on \$40,000 school bonds.

Miss., Yazoo City—Eden Consolidated School Dist. votes March 31 on \$30,000 bonds.

Mo., Fair Grove—City plans voting about 2 weeks on \$30,000 school bonds.

Mo., Fulton—Westminster College, M. E. Melvin, Pres., erect 1-story gymnasium; brick, cement and tile swimming pool; C. A. Smith, Archt., 800 Finance Bldg., Kansas City.

Mo., Jefferson City—School Bd. considers voting on \$178,500 bonds.

Mo., Normandy, St. Louis—Normandy Consolidated School Dist., A. G. Skelly, Pres., call for bids about April 10 for following: 1-story brick addition, Harrison School, \$12,000; 2-story addition, Bel-Nor School; brick, rein. conc. fireproof, \$40,000; 1-story addition, Kinley Grade School, brick, \$10,000; 1-story addition, Hazen and Ravenwood Aves. School, brick, \$10,000; 2-story vocational building and gymnasium, school at Charles and Lucas Rds., former, 270x60 ft., brick, fireproof, \$115,000; latter, 1-story, 85x125 ft., brick, conc. steel, fireproof, \$110,000; Wm. B. Ittner, Inc., Archt., 408 Bd. of Education Bldg. 3-8

Mo., Poplar Bluff—City votes April 3 on \$60,000 school bonds. 3-8

N. C., Hemp—Fayetteville Presbytery, R. A. McLeod, Supt., erect administration, high school building and boys' dormitory; brick, hardwood floors, slate roof.

N. C., Mount Airy—Town Commrs. vote Apr. 17 on \$50,000 school bonds.

N. C., Statesville—Iredell County School Bd., Celeste Henkel, Supt., expend \$50,000 for additions to following schools: Harmony, Union Grove, Troutman, Central and Shepherds.

Okla., Muskogee—City, Paul Williams, Mayor, plans voting in Apr. on \$50,000 school bonds; \$30,000 for Honor Heights School; \$10,000 for heating system, Jefferson School; \$10,000 for installing water cooling system. 3-15

Okla., Okemah—Bd. of Education erect \$55,000 high school; semi-fireproof, 3 stories; Richard E. Richter, Archt., 1217 E. Ninth St., Okmulgee.

Okla., Shawnee—Bd. of Education, H. G. Faust, Supt., erect school addition; A. C. Davis, Archt.

Tenn., Dayton—Rhea County voted \$25,000 school bonds. 3-8

Tenn., Nashville—Board of Education receives bids March 26 for school, Park Ave.; Acum & Clark, Archt., Trust Bldg.

Tenn., Nashville—George Peabody College for Teachers erect \$200,000 dormitory and apartment building; Colonial type, 3 stories, basement and sub-basement; Raymond Hood-Godley & Foulhoux, Archts., 40 W. 40th St., New York City; construction by owner.

Tenn., Wartrace—Board of Education considers erecting high school.

Tex., Amarillo—School Board acquired site on Davidson and Washington Sts., erect negro school.

Tex., Austin—School Bd. considers voting on \$300,000 bonds; erect \$35,000 gymnasium for John T. Allan high school, improve others.

Tex., Calliham—Calliham Independent School Dist. receives bids Mar. 31 for school; Hamon & Co., Archts., 401½ Peoples St., Corpus Christi.

Tex., Cedar Bayou—Bayou Ind. School Dist. erect 11-classroom and auditorium high school; Harry D. Payne, Archt., 1015 Norfolk St., Houston.

Tex., Charlie—Clay County plans voting soon on \$42,000 school bonds. Address School Bd.

Tex., Coleman—City votes Apr. 7 on \$38,000 school bonds. Address School Bd.

Tex., Cuero—City plans \$125,000 school bonds. Address School Bd.

Tex., Kenedy—City votes March 28 on \$25,000 school bonds; remodel grammar school. Address City Council.

Tex., Medina—Bandera County Commrs. plan voting on \$20,000 school bonds.

Tex., Memphis—City voted \$60,000 bonds; erect Third Ward school. Address School Bd.

Tex., Midland—City voted \$100,000 school bonds; W. W. Lackey, Supt. of Education. 3-1

Tex., Mt. Vernon—Mt. Vernon Ind. School Dist. votes soon on \$50,000 bonds.

Tex., Nederland—Nederland Ind. School Dist., R. L. Pletsch, Supt., receives bids Apr. 1 for school and gymnasium; 3 stories, tar and gravel roof, rein. conc. foundation; \$88,000; Livesay & Wiedemann, Archts., San Jacinto Life Bldg., Beaumont. See Want Section—Bldg. Material and Equipment. 3-15

Tex., Post—Garza County voted \$100,000 school bonds. Address School Bd.

Tex., Pyote—City voted \$100,000 high school bonds. Address School Board.

Tex., Rankin—City voted \$80,000 school bonds; erect 18-room high school.

Tex., San Angelo—School Board, Felix E. Smith, Supt., receives bids Apr. 10 for following: 4-room additions to John H. Reagan, San Jacinto and Santa Rita schools; 2-room addition, Junior High School; \$125,000; bond issue available; Phelps & Dewees, Archts., Gunter Bldg., San Antonio.

Va., Williamsburg—College of William and Mary, Dr. J. A. C. Chandler, Pres., receives bids Apr. 7 for erecting Washington Hall; plans from Charles M. Robinson, Archt. 3-1

W. Va., Barboursville—Morris Harvey College, Dr. Robert Ruff, Pres., probably call for bids latter part March for girls' dormitory and Bible school building; former 3 stories, 48x200 ft., latter 2 stories and basement, 42x72 ft., boiler room; Southern Colonial type, red brick, white stone trim, blue slate roofs; Meanor & Handloser, Archts., Professional Bldg., Huntington. 9-15

W. Va., Lewisburg—Greenbrier County Court voted \$99,000 bonds for Fort Spring Dist. schools; Wysong & Bengston, Archts., Charleston. 2-23

W. Va., Martinsburg—Bd. of Education, L. W. Burns, Supt., receives bids Apr. 16 for complete furnishings for \$275,000 high school; plans from Frampton & Bowers, Archts., 412-14 11th St., Huntington. 10-13

W. Va., Roncoveite—Fort Spring School Dist. voted school bonds.

### Stores

Ala., Montgomery—Frank Tennille, care Frank Tennille Furniture Co., 109 Commerce St., erect \$50,000 store; brick, 3 stories, 50x150 ft.

D. C., Washington—Standard Accessory Co., 5013 Georgia Ave., erect \$10,000 store; brick, 1 story.

D. C., Washington—James T. Kenyon, 827 14th St. N. W., and Samuel W. Barrow erect

6 stores, 1801-03 Monroe and 3417-23 18th Sts.; brick, 1 story, \$27,000.

Fla., St. Petersburg—C. Perry Snell, 401 Central Ave., receives bids about April 10 for \$350,000 arcade, Central Ave. and Fourth St.; Spanish type, fireproof, coral limestone exterior, terra cotta, steel frame, 2 stories and basement, 130x100 ft., 6-story tower, terrace on roof, mezzanine, 25 shops, offices, cafeteria, elevator, terrazzo, marble floors, brass and bronze grills; Klehnel & Elliott, Archts., Seybold Bldg., Miami and St. Petersburg. 2-9

Mo., Anderson—H. J. Chapman Produce Co. erect business building.

Mo., Jefferson City—E. F. Clibourne, 223 E. High St., erect 2-story brick store.

Mo., Kansas City—J. W. Hunter & Son, 3815 Woodland St., erect \$10,000 store and apartment building; brick, 2 stories, 35x50 ft.

Mo., St. Louis—R. A. Koehler, 3334 California Ave., erect \$40,000 store and apartment building; brick, 40x66 ft., 3 stories and basement; comp. roof, terra cotta trim, metal ceilings; O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—Stanze & Thomas Monument Co., 7810 Gravois Ave., erect 1-story store; brick, 50x50 ft., conc. foundation, comp. roof; Russell Conzelman, Archt., 312 Calumet Bldg.

Mo., St. Louis—Sears, Roebuck & Co., R. E. Wood, Chicago, reported, erect 2 stores, Kingshighway Blvd., and Grand Blvd. and Winnebago St.; 3 stories; \$2,000,000; Geo. Nimmons & Co., Archts., 122 S. Michigan Ave., Chicago.

Mo., St. Louis—Pretoria Realty Co. erect \$10,000 addition to store; 78x110 ft., comp. roof; Rush, Lee & Rush, Archts., both 6035 Delmar St.

N. C., Greensboro—Home Light and Power Co., Daily News Bldg., erect \$45,000 store, N. Greene St.

N. C., Winston-Salem—J. G. Clayton erect \$12,000 store and apartment building, N. Liberty St.

S. C., Florence—S. H. Kress Co., 114 Fifth Ave., New York, erect 3-story building with arcade, N. Dargen St.

S. C., Spartanburg—J. N. Cudd, 1 Morgan Square, plans store and apartment building.

Tenn., Athens—R. D. Bayless, of Athens Table and Mfg. Co., rebuild burned store.

Tenn., Memphis—Farmers Union Supply Co. erect \$15,000 store.

Tex., Austin—Dr. H. E. Baxter has low bid from Ernest Parker, 4509 G Ave., for 1-story store, Sixth and San Antonio Sts.; brick, comp. roof, conc. foundation; Edwin C. Kreisler, Archt., 803 Scarborough Bldg.

Tex., Hereford—T. E. Williamson erect store, Main St.

Tex., Houston—C. L. House, 3209 Milam St., erect 2-story store, Stuart Ave. and Milam St.; 75x150 ft.; J. R. Baffett, Archt., 210 Stiles St.

Tex., Houston—Rigrasse Donio erect \$10,000 store and apartment building, 2817 W. Dallas St.; brick veneer, 8 rooms.

Tex., Laredo—Franklin Bros. erect \$25,000 store, Convent Ave. and Grant St., 110x110 ft.; Guy Trout, Archt.

Tex., Mission—Pearson & Brooks erect addition to store and office building; 50x60 ft., tile, rein. conc.; Decker & Tanner, Archts.

W. Va., Wheeling—F. W. Woolworth Co., 1211 Market St., remodel store, \$18,000

### Theaters

Fla., Lake Wales—Princess Realty Co. erect \$100,000 theater seat 1000; Geo. E. Jacobs, Archt.

La., Lafayette—Southern Amusement Co. plans theater.

Okla., Hollis—J. M. Coley, Watt Long, and others erect \$20,000 theater; brick and stone, 3 stories, 50x125 ft.; Hawk & Parr, Cotton Ex. Bldg., and Wm. Schmidt, Archts., both Oklahoma City.

Okla., Miami—G. L. Coleman erect theater and store; steel, brick, terra cotta, 2 stories, 142x150 ft., con. and tile floors, comp. roof, conc. foundation; Boller Bros., Archt.; L. D. McDonald, Engr., both 114 W. Tenth St., Kansas City, Mo. See Want Section—Building Material and Equipment. 3-15

Okla., Miami—G. L. Coleman call for bids about Apr. 1 for 2-story theater; steel, rein. conc., brick, 142x150 ft., conc. and tile floors, terra cotta; Boller Bros., Archts., 114 W. Tenth St., Kansas City, Mo. 3-15

Tex., Crystal City—W. B. Guillaudeau receiving bids for \$10,000 theater; conc. frame, hollow tile, brick, 50x100 ft., 1 story; Will N. Noonan Co., Archts., Builders Exchange Bldg., San Antonio.

Tex., San Angelo—Ed Rowley, Dallas, John D. Jones, San Angelo and others; \$280,000 theater and office building; seat 2000. (See Buildings Proposed—Bank and Office.)

### Warehouses

Ga., Atlanta—Mrs. Lene Swift Huntley, 1209 Peachtree St., receives bids soon to rebuild burned warehouse, 12 Spring St. 3-15

Miss., Port Gibson—W. W. Lassiter Co. plans warehouse, Church St.

Mo., St. Louis—Great Atlantic & Pacific Tea Co., 3127 S. Grand St., erect \$150,000 warehouse, 4515 Scott Ave.; 300x100 ft.

Mo., St. Louis—B. F. Goodrich Rubber Co., S. Main St., Akron, O., soon receive bids for \$125,000 warehouse and office building; Chouteau and Theresa Aves.; rein. conc. brick, 2 stories and basement, 32,000 sq. ft. floor space.

Mo., St. Louis—Colonial Steel Co., 928 Main St., purchased site 712-14 Cass Ave., erect \$25,000 warehouse; 50x80 ft.

Mo., St. Louis—Missouri-Illinois Stores Co. (Piggly-Wiggly), Geo. P. Wearren, Pres., 3688 Chouteau Ave., erect \$40,000 warehouse addition; 24,000 sq. ft. of floor space.

N. C., Durham—Bernice Bowles, Geer Bldg., and associates erect \$40,000 warehouse, Rigsbee Ave.; 130x340 ft., 44,200 sq. ft. floor space.

N. C., Winston-Salem—Home Real Estate, Loan & Insurance Co., 511 Liberty St., and others remodeling warehouse, Main St.; \$30,000.

Tex., Amarillo—Geo. J. Lins plans warehouse.

Tex., Austin—St. Bernard Realty Co., Ramon Wells, purchased site, Gentry and Burnett Sts., for warehouse.

Tex., Houston—Lone Star Bag & Bagging Co., 2102 Brooks St., erect ironclad warehouse; 1 story, 70x122 ft., wood floors, conc. foundation, tar and gravel roof; L. Gabert, Archt., Binz Bldg., Houston.

Tex., San Angelo—Carter & Hall erect \$13,000 warehouse, brick.

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Mo., St. Louis—Knights of Pythias, care St. Louis Lodge Deputies Assn., R. E. Mackey, Chmn. Bldg. Comm., let contract for \$1,000,000 Pythian Tower to Dickie Construction Co., 517 Louderman Bldg.; 450 tons struct. steel, reported, let to Mississippi Valley Structural Steel Co., Arcade Bldg.; rein. conc., steel, brick and stone, 3 stories and basement and 7 stories and basement, 150x150 ft.; foundation to carry 20 additional stories; promenade roof, high-speed elevators; Trueblood & Graf, Archts., 1517 Chemical Bldg.; Brussel & Viterbo, Const. Engrs., 1530 Arcade Bldg. 2-23

Mo., St. Louis—Young Men's Christian Assn., 20th and Eugenia Sts., erect \$15,000 kitchen, 209 Tom St.; brick, 1 story, 59x49 ft., comp. roof; LaBeaume & Klein, Archts., Amer. Tr. Bldg.; Dickie Construction Co., Contr., Louderman Bldg.

### Bank and Office

Ga., Atlanta—Southern Railway, R. B. Pegram, Vice-Pres., reported, let contract to United Engineers and Constructors, Inc., Philadelphia, Pa., to enlarge office building; \$800,000; 2 additional stories to main building and 5 to adjoining structure; rein. conc., comp. roof, steam heat. 4-15

Ky., Owensboro—Taylor Real Estate Co. let contract to Jack Cole for \$50,000 office bldg., Fourth St. and Broadway; structural steel and brick, 3 stories; 3 stores on first floor; G. Tandy Smith, Archt., Guthrie Bldg. 3-15

Mo., Kansas City—Ready Mixed Cement Co., 209 Uptown Bldg., erect \$10,000 office building, 908 W. 25th St.; 1 story, 45x45 ft.

Mo., St. Louis—South Side Trust Co., A. C. F. Meyer, Pres., started work on \$400,000 bank, store and office building, 3606 Gravois



Ave.; brick and rein. conc., fireproof, 10 stories and basement, 50x140 ft., comp. roof, steam heat; St. Louis Bank Building and Equipment Co., Archts., 901 Sidney St.; Fruin-Colnon Contracting Co., Contr., 501 Merchants Laclede Bldg. 1-26

Mo., St. Louis—Midwest Piping & Supply Co., 1452 S. Second St., remodel and erect addition to office; brick, 1 story, 120x40 ft.; Klipstein & Rathmann, Archts., 316 N. 8th St.; J. H. Brightt, Contracting & Building Co., 1824 Arcade Bldg. 3-8

N. C., High Point—Melrose Hosiery Mills erecting \$25,000 office and store room building; brick, 2 stories, 101x66 ft.; F. B. Cline, Archt.; John Willet, Contr. 3-8

N. C., Winston-Salem—Indiana Limestone Co., Bedford, Ind., has exterior stone contract for \$2,000,000 R. J. Reynolds Tobacco Co. office building; probably let struct. steel contract soon; Shreve & Lamb, Archts., 311 Madison Ave., New York; James Baird Co., Contr., 1800 E St., N. W., Washington. 3-8

Tex., Amarillo—Panhandle & Santa Fe Railway Co., M. C. Blanchard, Ch. Engr., reported, let contract for 1800 tons struct. steel for \$750,000 general office building to Mosher Steel & Machinery Co., 900 S. Austin St., Dallas; A. E. Harrison, Santa Fe System Archt., Rwy. Exch. Bldg., Chicago, Ill. 3-15

### Churches

Ala., Birmingham—Grant Chapel A. M. E. Church, 427 S. 20th St., erect \$20,000 building, 8. 30th St.; day labor; 1 story and basement, 45x74 ft., comp. roof. Address The Pastor.

Ark., El Dorado—Second Methodist Church erect \$15,000 building by day labor, N. B. Bridges, Foreman; semi-fireproof, brick, hollow tile, stone trim, 1 story and basement, 50x75 ft.; E. M. Kolben, Archt., Exchange Bank Bldg. 2-16

Ark., Prescott—Methodist Church let contract to Stanley Barger for \$65,000 building; brick and terra cotta, 2 stories, oak floors, individual steam gas plant; Witt, Seibert & Halsey, Archts., Texarkana, Ark.-Tex. 2-2

Fla., Venice—Englewood M. P. Church let contract to Harrison Construction Co. for church; L. B. Perrin, Archt.

Miss., Winona—First Methodist Church let contract to J. B. Cole, Water Valley, for \$20,000 Sunday-school; face brick, 2 stories; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn.

Mo., Pilot Grove—St. Joseph R. C. Church, Rev. Jochin Menne, O. S. B., Pastor, erect basement unit of 2-story brick building; tile roof, steam heat; Ludwig Abt, Archt., Moberly; Andy Krum, Contr.

N. C., Elizabeth City—Roman Catholic Church started work on \$30,000 building. Address The Pastor.

S. C., Charleston—E'rith Shalom Congregation remodel synagogue, 68 St. Philip St.; \$20,000; brick veneer; D. C. Barbot, Archt.; 26 Broad St.; C. H. Henrikson, Contr.

S. C., Greenville—Central Baptist Church let contract to Jordan Building Co., Cleveland Bldg., to remodel and enlarge burned structure; \$31,500; Thos. G. Reid, Archt. 1-12

Tenn., Johnson City—First M. E. Church erect \$150,000 building; brick and stone, 120x200 ft., 4 stories, slate roof; furnishings, equipment, etc., \$20,000; Coile & Cardwell, Archts.; Beeler & Co., Contr.; heating and plumbing, C. O. Biddle; elect. work, Bishop Electric Co.; roof and sheet metal, S. B. White. See Want Section—Building Material and Equipment. 3-8

Tenn., Nashville—Shelby Avenue Baptist Church, Rev. Seigle B. Ogle, Pastor, started work on superstructure of \$40,000 building; basement completed.

Tenn., Nashville—West End M. E. Church let contract to Rock City Construction Co., 150 N. Fourth Ave., for \$250,000 Sunday school unit of proposed \$600,000 structure; brick and Crab Orchard sandstone, 2 stories and basement, 87x88 ft.; Donald W. Southgate, Archt., Stahlman Bldg. 8-4

Tex., Galveston—Central Methodist Church, Rev. H. C. Ryan, Pastor, let contract to M. P. Moller, Inc., Hagerstown, Md., for pipe organ for \$60,000 building; Andrew Fraser, Archt., Amer. Natl. Ins. Bldg. 3-15

Tex., Houston—First Methodist Church, E. L. Crain, Chmn., Bldg. Comm., 202 Fannin St., probably let contract for \$500,000 Sunday school to T. M. Murray, Second Nat'l Bank Bldg.; rein. conc. and brick, 6 stories and basement; Jas. Ruskin Bailey, Archt., 1806 Main St. 2-2

Tex., Sabinal—Central Christian Church let

contract for \$20,000 brick building to C. S. Allen.

Va., Orange—St. Thomas' Church improve building; 2-story brick addition, 30x40 ft.; contract let. Address The Pastor.

### City and County

Ark., Perryton—Ochiltree County Board of Commrs. let contract for \$100,000 courthouse to Corlett & Welshon, Hutchinson, Kan.; 2 stories and basement, 88x56 ft., terrazzo ment, tile roof; Mann & Co., Archts., Hutchinson. 2-16

Fla., Trenton—Gilchrist County let contract at \$10,460 to Frank Bourie, P. O. Box 104, Cross City, for jail; rein. conc., 2 stories, 25x25 ft.; Robt. Smallwood and V. M. Curtis, Asso. Archts., both Clearwater. See Want Section—Building Material and Equipment. 3-15

Mo., St. Louis—Bd. of Public Service, City Hall, let contract at \$14,260 to Geo. Griffiths Construction Co., Cent. Natl. Bank Bldg., for shelter and comfort station, Minnie Wood Playground; brick, 1 story, 20x60 ft. 2-23

Tex., Laredo—City let contract at \$29,243 to Walter Sipple, New Braunfels, for central fire station; rein. conc. and brick, 2 stories, 47x75 ft., pitch and gravel roof, cement and rift pine floors; John M. Marriot, First Nat'l Bk. Bldg., San Antonio, and Fred Buenz, Laredo, Archts. 1-19

### Dwellings

Ala., Athens—Wellman Cotton Mill erect 25 operatives' dwellings; Athens Lumber Co., Contr.

Ala., Birmingham—Art Craft Building Co., care Harrison Richardson, Contr., 2028 N. First Ave., erect \$30,000 dwelling, Country Club Gardens; brick, limestone trim, 2 stories, 70x80 ft., slate roof, steam heat; Phillip S. Mewhinney, Archt., Woodward Bldg.

Ala., Birmingham—John C. Crouch, 3017 S. Highland Ave., erect \$15,000 brick veneer residence, S. Cliff Rd. near 41st St., 2 stories, 63x45x45 ft., slate roof; day labor.

Ala., Birmingham—H. L. Eberhardt, Norwood Ct. Apts., erect brick veneer residence, 4220 Overlook Rd.; 2 stories, 42x29 ft., comp. roof, steam heat; Woolard & Lynch, Contrs., 2115 N. First Ave.

Ala., Birmingham—E. L. Smith, 4312 S. Fifth Ave., let contract to Paul Bros., Hollywood, for brick veneer residence; 1 story and basement, slate roof, steam heat; Miller & Martin, Archts., 911 Title Guar. Bldg. 3-1

Ark., Forrest City—Vaccaro-Grobmyer Lumber and Feed Co., erect 4 brick veneer dwellings; 1 story, oak floors, comp. shingle roof, \$3500 each; owner builds.

Fla., Cocoa—L. E. Fay erect English Colonial residence; A. B. Jaeger, Contr.

Fla., Eustis—H. W. Welling erect \$12,000 residence, Center St. and Woodward Ave.; 7 rooms, stucco; Zeb Osborne, Contr.

Fla., Jacksonville—Fred Weiss, 4004 St. Johns Ave., completed foundation of \$10,000 residence; brick veneer, 2 stories, 32.4x25.9 ft. W. B. Hunt, Archt.; Neal D. Evans, Contr., 216 Main St. 3-15

Fla., Jacksonville—Doar L. Bostick erect \$10,000 brick veneer dwelling, Astral St. near Woodruff St.; 1 story; E. W. Bostick, Contr., both 4627 Polaris St.

Fla., Miami—Home Builders Co., Seybold Bldg., purchased 40 lots, Miami Shores; plans 20 dwellings within year in groups of 2 and 3; \$15,000 to \$25,000 each.

Fla., Miami—New Miami Shores Co., Paul R. Scott, Pres., 237 N. E. Second Ave., let contract to Home Builders Co., Seybold Bldg., for 12 dwellings, Miami Shores; about \$18,000 each.

Fla., St. Petersburg—Clarkson Homes, Inc., Chas. C. Clarkson, 540 First Ave. N., erect dwellings.

Fla., Tallahassee—Gen. T. J. Appleyard started work on residence, Jacksonville Highway, near Tallahassee.

Fla., Tampa—Frederic Mays erect \$30,000 residence, Corsica St. and Battle Circle, Davis Islands; plans and constr. by owner.

Fla., Venice—E. R. Jahna, owner, Venice Tile Co., laying foundation for \$20,000 residence, Bay Point; L. B. Perrin, Archt.; Harrison Construction Co., Contr.

Ga., Atlanta—L. C. Hopkins, Healey Bldg., erect \$22,000 residence, Chatham Rd.; 2 stories, slate roof; Cooper & Cooper, Archts., Bona Allen Bldg.; Flagler Co., Contr., 308 Red Rock Bldg.

Ga., Atlanta—L. C. McKinney, 3261 Peachtree Rd., N. E., let contract to W. B. Hiers, 1497 Westwood Ave., for \$25,000 residence; brick, 2 stories and basement, hardwood

floors, comp. roof, steam heat; Ivey & Crook, Archts., Candler Bldg. 3-8

Ga., Savannah—G. C. Haymans, Blum Bldg., erect bungalow, 59th St. near Barnard St.; Owens & Owens, Contrs.

La., New Orleans—J. M. Couget, Contr., 6432 Catina St., erect 3 dwellings, Milner and Freeman St., Milner and Fillmore St. and Memphis and Fillmore.

La., New Orleans—Geo. J. Lupo, Contr., 5406 Hawthorne St., erect double cottage, Roussiere and Castiglione Sts.

La., New Orleans—A. L. Bisso, 240 Audubon St., erect 2 double cottages, 200 block Audubon St.; \$10,000; Geo. Geler, Contr., 624 Webster St.

La., New Orleans—J. H. Meyer, Contr., 3852 Napoleon Ave., erect double residence, Spruce and Burdette Sts.; sub-bids about 2 weeks.

La., New Orleans—H. Perlman, Contr., 3543 Delachaise St., erect double dwelling, Alvar St., near Lopez St.

La., New Orleans—Frank R. Favalora, Contr., 55 Metairie Ridge, erect raised double cottage, 2017 Josephine St.

La., New Orleans—C. A. McGee, Contr., 2544 Dreux St., erect single dwelling.

Md., Baltimore—E. J. McGraw, 2304 Mt. Royal Ter., erect \$10,000 block residence and garage, 215 St. Dunstons Rd.; 2 stories, 34x34 ft. and 18x10 ft., slate roofs, hot water heat; W. Smith, Archt., Calvert Bldg.; B. Constable, Contr., 311 W. 31st St.

Md., Baltimore—John Welsh, 11 E. Fayette St., erect 6 brick dwellings, 3100 block Normount Ave.; 2 stories, 24x28 ft. and 19x30 ft., slate and slag roofs; \$15,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Plaza Construction Co., Munsey Bldg., erect 13 brick dwellings, 3101-25 Kentucky Ave.; 2 stories, 19x32 ft.; \$30,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Cleveland R. Bealmear, 16 E. Lexington St., erect 13 dwellings, Willow and Ready Aves., as first unit of about 40; 2 stories, porch fronts, 7 rooms and bath; \$150,000; owner builds.

Md., Baltimore—Wm. McH. Keyser, Keyser Bldg., let contract to Henry T. Sorrell & Son, 4112 Kathland Ave., for 6 dwellings, 307-09-11-12-14-16 Taplow Rd.; 2½ stories, stone and stucco, 7 and 8 rooms, 2 baths; \$70,000.

Miss., Meridian—Elbert Malone erect 3 dwellings, 28th Ave.; \$10,000; R. M. McElroy, Contr., care Mr. Malone.

Mo., Kansas City—Wm. G. Zimmerman, 3023 Olive St., erecting \$16,000 English type residence, 418 W. 68th St. Terr.; brick and stucco, 2 stories, oak floors, single roof; Frank L. Lang, Archt., 1508 E. 51st St.; owner builds. 3-15

Mo., Kirkwood, St. Louis—R. L. Jacobs-meyer, 201 Smith Ave., erect \$16,000 residence, Osage Hills; frame, 2 stories and basement, 28x40 ft., comp. roof, hot water heat; Dan Mullen, Archt., Seven Gables Bldg., Clayton; L. E. Pierce, Contr., 7 Pitman Pl., Kirkwood.

Mo., Kirkwood, St. Louis—Norman N. Pemberton, 314 N. Eighth St., erect \$12,000 residence, Osage Hills; brick, 2 stories and basement, 42x34 ft., hardwood floors, tile bath; Beverly T. Nelson, Archt., 403 Chemical Bldg.; Vick Realty Co., Contr., Int. Life Bldg., both St. Louis.

Mo., Normandy—Ewald Schroeder Construction Co., 46 Racquet Ave., erect brick dwelling; 2 stories and basement, 36x24 ft. and 34x26 ft., hardwood floors, tile baths, hot water heat; Schulte & Tarling, Archt., 2806 N. Grand Blvd., St. Louis; owner builds. 3-15

Mo., St. Louis—H. Koberman erect 15 dwellings, 4000 and 4100 blocks Toemges Ave.; brick, 2 stories and basement, 25x29 ft., hardwood floors, hot air heat; \$95,000; A. Koberman, Contr., all 7242 Gravois St.

Mo., St. Louis—Wm. Molasky, 6122 Waterman Ave., erect \$30,000 residence, Skinker and Aberdeen Sts.; brick, 2½ stories and basement, 50x32 ft., oak floors, tile roofs and bath, elec. refrig., hot water heat; Clarence A. Koenig, Archt., 2036A Russell Ave.; Wm. Nicholson, Contr., 1372 Temple Place.

Mo., St. Louis—J. C. Struckhoff, 4432 Grace Ave., erect 6 dwellings, 6100 block Newport Ave.; brick, 1 story and basement, 26x33 ft., hardwood floors, tile bath, asbestos shingle roof; \$24,000 owner builds.

Mo., St. Louis—J. Jameton, 535 Eller St., erect \$12,500 residence, 4012 Bates St.; brick, 2 stories, 36x28 ft., green slate roof, steam heat; owner builds.

Mo., St. Louis—H. B. Carson, 152 Linden Ave., erect \$28,000 brick residence, Carra-

wold; 80x30 ft.; Higbee Bros. Construction Co., Contr., Cent. Natl. Bk. Bldg.

Mo., University City, St. Louis—Advance Realty & Building Co. erect 2 brick dwellings, 7267 Cornell and 7260 Stanford Sts.; 2 stories, 32x30 ft. and 31x23.4 ft., asbestos shingle roofs, steam heat; \$15,000; Chas. W. Gorges, Archt., both 7217 Princeton St.; owner builds.

Mo., University City, St. Louis—Victor R. Appel, 1600 Big Bend Rd., erect 2 brick dwellings, 7472-76 Amherst St.; comp. shingle roofs, hot water heat; \$10,000; owner builds.

Mo., University City, St. Louis—J. A. Bleakney, 6007 Cates St., erect \$10,000 brick residence, 541 Purdue St.; 2 stories, 40x30.8 ft., tile or slate roof, hot water heat; T. L. Johnson, Archt., 6925 Columbia St.; owner builds.

Mo., University City, St. Louis—August Court, Arcade Bldg., St. Louis, erect \$14,000 brick residence and garage, 7258 Greenway; 2½ stories, copper and slate roof, hot water heat; Pleitsch & Price, Archts., Arcade Bldg.; Frank J. McClinton & Bro., Contrs., 1340 Ferguson St.

Mo., University City, St. Louis—H. M. Edmunds, 7023 Westmoreland St., erect \$10,000 brick residence; 2 stories, slate roof, hot water heat; Chas. R. Greene, Archt., Buder Bldg.; owner builds.

Mo., University City, St. Louis—Bernice S. Janopoulo, 720 Herman St., erect 2 brick dwellings, 7535-39 Washington St.; 2 stories, 22x32 ft., copper clad shingle roofs, hot water heat; Gerard W. Wolte, Archt.; Vassar Realty & Construction Co., Contr., both 6600 block Delmar Ave.

Mo., University City, St. Louis—Sedgely Investment Co., 111 N. Seventh St., erect \$10,000 brick dwelling, 7455 Stratford St.; tile roof, hot water heat; Nolte & Nauman, Archts., Fullerton Bldg.; B. C. Cornwell, Contr., Arcade Bldg., both St. Louis.

Mo., Webster Groves, St. Louis—Copeland & Haselbring, 1610 Chemical Bldg., St. Louis, erect 2 brick and stucco dwellings, 243-49 Edgar Rd.; 2 stories, 26x26 ft.; \$10,000; E. S. Copeland, Contr., 241 Papin Ave., Webster Groves.

N. C., Charlotte—Frank Sherrill, Harding Pl., erect \$25,000 residence, Wilworth Rd.; brick veneer, 14 rooms; Sherrill Realty Co., Contr.

N. C., Charlotte—Sherrill Realty Co., 252 Fourth St., erect 2 dwellings.

N. C., Winston-Salem—J. G. Morrisett, 1328 W. Fourth St., erect \$12,000 residence, Oaklawn Ave.; 2 stories; Kesler Construction Co., Contr., N. Trade St.

N. C., Winston-Salem—Dr. W. H. Sprunt, 631 Nissen Bldg., started work on \$40,000 residence, Virginia and Stratford Rds.; brick veneer, 3 stories, 40x80 ft., brick foundation, slate roof; Northup & O'Brien, Archts., Starbuck Bldg.; Frank L. Blum & Co., Contrs., 110 E. Second St.

Okl., Oklahoma City—Jos. E. Washington erect 48 brick dwellings, Longview addition L. N. Van Antwerp Co., Archt.-Contr.

Tenn., Memphis—Louis Diehl, 1663 Forrest St., erect \$15,000 residence, 605 East Drive, Hein Park; 2 stories and basement, 69x37 ft., oak floors, comp. shingle roof, tile baths, steam heat; Estes W. Mann, Archt., Cotton Exch. Bldg., owner building.

Tenn., Memphis—Chas. Lewis erect 2 duplexes, 756-64 Melrose St.; 2 stories, \$9500 each.

Tenn., Memphis—M. M. Schwartz, First Natl. Bank Bldg., erect 15 dwellings, 1600 blocks Netherwood and Waverly Sts.; brick veneer, 1 story, 26x41 ft., oak floors, comp. shingle roofs, tile baths, steam heat; garages; Sam Ettingoff, Contr., 565 Mississippi Ave.; work started.

Tenn., Memphis—Wm. White & Co., 130 Monroe St., completing first 5 of 20 bungalows, William White subdivision, Electric St.

Tenn., Nashville—Mrs. B. O. Currey, Lynnwood Ave., erect rubble stone, brick and conc. residence; 1 story and basement, 56x50 ft. and 46x19 ft.; Carlton Brush, Archt., Fourth and First Bldg.; Sumner Construction Co., Contr., 155 N. Fourth Ave.

Tenn., Ripley—Wm. Tucker, 3d, let contract for \$11,000 residence and garage to W. G. Nowlin, 1976 Snowden Ave., Memphis; brick veneer, 1 story and basement, 82x40 ft., oak floors, comp. roof, hot water heat; W. C. Lester, Archt., Derrmon Bldg., Memphis.

Tex., Corpus Christi—A. C. Bess and J. K. Kopley, Vaky Apts., erect 2 brick dwellings, Saxet Heights; 6 rooms; work started.

Tex., Fort Worth—Dr. Will S. Horn, 921

Fifth Ave., erecting \$22,000 brick residence; 2 stories, about 34x50 ft., oak floors, tile roof; Ben B. Milam, Archt.; B. B. Adams, Contr., both First Natl. Bk. Bldg.

Tex., Galveston—Chas. Ott, 3416 Q St., erect 2-story, brick veneer residence, 40th St. and Broadway; work started.

Tex., Houston—Geo. Ackels let contract to L. J. Berry for \$16,000 duplex, 2000 Waugh Drive; brick veneer, 2 stories, 12 rooms, 2 baths.

Tex., Houston—Mrs. Sybil Cleveland, 1709 LaBranch St., erect 6-room brick veneer residence, 4002 Dallas St.; \$10,000; C. C. Rouse, Contr., Bankers Mortgage Bldg.

Tex., Houston—B. W. Holtz, 3903 Roseland St., erect \$18,000 Colonial residence, 2502 Inwood Ct.; 8 rooms, brick veneer, 2 baths; plans an deconstruction by owner.

Tex., Houston—Max Guilett erect \$10,000 residence, 4111 Woodleigh St.; brick veneer, 6 rooms; C. C. Rouse, Contr., Bankers Mortgage Bldg.

Tex., Houston—C. C. Rouse, Bldr., Bankers Mortgage Bldg., started \$10,000 bungalow, 2222 Blinz St., Riverside Terrace; 6 rooms, brick veneer.

Tex., Pittsburg—Mrs. Mae Poole let contract for 2 six-room cottages, Jefferson St.

Tex., San Antonio—E. B. Flowers, 130 Davis Ct., let contract to John Westerhoff, 524 School St., for residence, Grammercy St.; brick veneer, 2 stories, 8 rooms; Adams & Adams, Archts., 1010 Real Est. Bldg.

Va., City Point, Hopewell—Brown Supply and Building Co. started work on number brick dwellings; 2 stories and basement, 37.5x43 ft., hardwood floors, conc. foundations, asphalt slag roofs; \$75,000; T. J. Morgan, Archt.; owner builds.

Va., Martinsville—A. Clobman erecting \$16,000 residence, Church St.

Va., Martinsville—J. E. Howard started work on \$16,000 residence, Church St.; brick, 3 stories, conc. floors, slate roof; furnishings, equipment, etc., \$6000; Eubank & Caldwell, Archts., Boxley Bldg., Roanoke; Fuqua Construction Co., Contr., Krise Bldg., Lynchburg.

Va., Richmond—Monument Avenue Development Corp., 414 Amer. Natl. Bank Bldg., excavating for 2 dwellings, 4109-11 Park Ave. brick, 2 stories, 29x38 ft., oak floors, slate roofs; Carl M. Lindner, Archt., State and City Bank Bldg.; J. Frank Darling, Contr., 2536 N. Lombardy St.

W. Va., Parkersburg—S. A. Fogglin, 1106 Swann St., remodel residence; \$10,000; A. Snyder, Contr.

W. Va., Parkersburg—O. W. Hendershot, 1010 Quincy St., erect \$10,000 brick residence and garage, 738 Thirteenth St.; 8 rooms, 2 stories; R. E. Hamrick & Sons, Contrs., Union Tr. Bldg.

W. Va., Wheeling—Scott & Hadsell erect \$10,000 residence, Lenox; Scott Lumber Co., Contr., Lincoln Ave.

### Hospitals, Sanitariums, Etc.

La., New Orleans—Northwestern Terra Cotta Co., 2525 Clayborne Ave., Chicago, Ill., has terra cotta contract for \$200,000 chapel for Hotel Dieu; asbestos shingle, Jordy Bros. Slate Co., 633 S. Broad St.; sash and ventilating sections, glass and glazing, J. J. Lips, Inc., 720 Perdido St.; cement, sand and common brick, Jahncke Service, Inc., 814 Howard Ave.; pressed brick, Acme Brick Co., Whitney Bldg., all New Orleans.

Md., Cumberland—Bd. of Governors of Memorial Hospital, Geo. C. Young, Sec., Room 96, Liberty Tr. Bldg., let contract at \$446,700 to Geo. A. Fuller Co., Fuller Bldg., New York, for hospital, Johnson Heights; 4 stories and basement, brick and conc. T shape, porch on each floor, solarium on top floor; Zantinger, Borie & Medary, Archts., Otis Bldg., Philadelphia, Pa.; Dr. S. S. Goldwater, Consultant, Mt. Sinai Hospital, New York; Wm. H. Gravell, Struct. Engr., Lewis Bldg., 15th and Locust Sts.; I. H. Francis, Mech. Engr., Otis Bldg., both Philadelphia.

Tex., Houston—City Council let contract at \$40,155 to W. L. Goyen, Port Dispatch Bldg., for extensions to City-County Tuberculosis Hospital; mech. equip., Warren Shivers Co., 4501 Polk St., \$7503; elect. work, Allan T. Cooke, Esperson Bldg., \$1941; W. C. Dowdy, City Archt.

### Hotels and Apartments

Ala., Birmingham—Vickery & Calloway, 1329 Bush Blvd., erect two \$10,000 apartments, Eighth Terrace; brick veneer, 2 stories, 34x66 ft., comp. roof; owner builds.

Ala., Birmingham—Gray Construction Co., 3318 N. 11th St., erect \$20,000 apartment, S.

10th Ave.; brick and tile, 46x78 ft., 1 story, built-up roof; owner builds.

Ga., Atlanta—Joe Walker, Georgia Savings Bk. Bldg., erect \$75,000 apartment; brick, stone trim, 3 stories, comp. roof, hardwood floors; owner builds.

Md., Baltimore—3301 St. Paul Street Corp. let contract to Consolidated Engineering Co., 20 E. Franklin St. for \$600,000 apartment, 33rd and St. Paul Sts.; Georgian type, 8 stories, 110x115 ft., rein. conc. and brick, slag roof, 94 suites; Frederick A. Fletcher, Archt., 13 W. Franklin St.

Md., Baltimore—Following sub-contracts let for \$6,000,000 Lord Baltimore Hotel, Harry Busick, Pres., Baltimore and Hanover Sts.; Concrete form work, Building Products Co., Toledo, O.; bathroom cabinets and fixtures, Jamestown (N. Y.), Metal Products, Inc., Brauns & Graham, Agts., 509 Charles St., Balto.; Hollow metal work, Art Metal Construction Co., Jamestown, N. Y.; rolled steel windows, Davis Lupton's Son Co.; elevators, Atlantic Elevator Company, Liberty Tr. Bldg., both Philadelphia, Pa.; ornamental iron and bronze work, Harzong Iron Works, St. Paul, Minn.; marble tile and terrazzo work, Columbus Mosaic & Tile Co., 114 C. St., N. W., Washington, D. C.; mill and cabinet work, Oettinger Lumber Co., S. Elm St., Greensboro, N. C.; sheet metal roofing, W. A. Fingles, Inc., 29 S. Howard St.; Campbell metal windows, Campbell Metal Window Corp., 200 Scott St.; electrical work and fixtures, Blumenthal-Kahn Electric Co., 518 N. Charles St.; plumbing, heating and ventilating, Lloyd E. Mitchell, Inc., 915 E. Monument St.; lathing, plastering and scagliola, John H. Hampshire, Inc., 36th and Roland Ave.; cut stone, Oliver C. Putney Granite Corp., Carroll Sta.; arch brick, Exelsior Brick Co., 3801 Benson Ave.; Cushwa face brick, Monumental Clay Products Co., Munsey Bldg.; glass mirrors and glazing, Pittsburg Plate Glass Co., 8 S. Paca St.; Yale and Hubbard Stanley hinges, Hubbard & Eggleston, 120 N. Baltimore St., all Baltimore; W. I. Stoddard Archt., 50 E. 41st St., New York; Consolidated Engineering Co., Gen. Contr., 20 E. Franklin St., Baltimore.

Mo., Kirkwood—County Acreage Co., erect 4 apartments; brick, 33x50 ft., comp. roof, hardwood floors; Wm. Boaz, Contr., both Kirkwood Tr. Bldg.

Mo., St. Louis—E. E. Kraft, Archt., 220 Wainwright Bldg., drew plans for \$30,000 apartment; brick, 3 stories; Hamilton Construction Co., Contr., 220 Wainwright Bldg.

Mo., St. Louis—H. F. Fritz, Staunton, Ill., erect \$20,000 tenement, 3403 Connecticut St.; 2 stories, 37x107 ft., comp. roof; J. L. Wyland, Contr., 744 Pierce Bldg.

Mo., St. Louis—A. G. Darr, 2005 S. Grand St., erect 4 tenements, 3639-51 Winnebago St.; 2 stories, 25x45 ft.; \$28,000; owner builds.

Mo., St. Louis—V. H. Rhodes, 6635 Delmar St., erect 2 apartments, Cates Ave.; brick, 3 stories and basement, 40x107 ft.; comp. roof, hardwood floors; \$70,000; F. G. Avis, Archt., 1019 Big Bend Ave.; owner builds.

Mo., St. Louis—W. Cummins erect \$10,000 apartment, 4550 Durant St.; brick, 2 stories and basement, stone foundation, comp. roof; C. E. Atz, Archt., 110 N. Seventh St.; J. M. Liebowitz, Contr., Int. Life Bldg.

Mo., St. Louis—Francis-Perry-Ruth Realty Co., 110 N. Seventh St., erect 2 apartments, Amella Ave.; brick, 2 stories and basement, 27x40 ft., comp. roofs, stone foundation, hardwood floors, \$20,000; Gill & Jackson, Archt., 520 Buder Bldg.; C. T. Miller, Contr., 5377 Arlington St.

Mo., St. Louis—F. Boeckman, 6031 Thekla Ave., erect \$12,000 apartment, Oriole and Theodore Sts.; brick, 48x34 ft., 2 stories and basement, stone foundation, comp. roof; Nolte & Nauman, Archts., 614 Fullerton Bldg.; J. Chas. Mueller, Contr., 3528 Herbert St.

Mo., St. Louis—F. H. Rosenberger, 3111 Keokuk St., erect \$10,000 tenement, 3940 Fillmore St.; 2 stories, 27x51 ft.; G. F. Hayden, Archt., 2836 Chippewa St.; F. Hof, Contr., 6602 Hoffman St.

Mo., St. Louis—F. A. Ludewig & Co., 509 Dickman Bldg., drew plans for \$250,000 hotel; rein. concrete, 40x126 ft., 6 stories, comp. floor, asphalt roof, concrete foundation; Kaerner Engineering Co., Engrs., Syndicate Trust Bldg.; B. C. Holthaus & Bros. Construction Co., Contrs. See Want Section—Building Material and Equipment.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect \$40,000 tenement, Chippewa St.; 3 stories, comp. roof; F. G. Avis, Archt., 1019 Big Bend Rd.; owner builds.

Mo., St. Louis—P. A. Stecker, 3705 Neosho St., erect two 2-story tenements, 3805-9 Osceola St.; 29x36 ft., \$12,000; owner builds.



Mo., St. Louis—A. Wiegner, 3417 Klocke St., erect \$10,000 apartment, 3415 Klocke St.; brick, 36x55 ft., 2 stories and basement; stone foundation, hardwood floors, gravel roof; C. H. Fischer, Contr., 3414 Gasconade St.

Mo., St. Louis—J. Haberman, 1901 N. Prairie St., erect \$12,000 tenement, 3848 Garfield St.; 2 stories, 42x55 ft.; M. H. Freese, Contr., 7014 Glenmore St.

Mo., St. Louis—F. D. Bauchens, 2625 Tennessee St., erect \$10,000 tenement, 6560-62 Arsenal St.; 2 stories, 32x52 ft.; owner builds.

Mo., St. Louis—T. J. Roach, 3806 St. Louis St., erect \$10,000 tenement, 5029 Queens St.; 2 stories, 24x48 ft., slate shingle roof, hot water heat; J. H. Tarlin, Archt., Grand St. Louis Bldg.; C. Spoeneman, Contr., 4142 Forlin St.

N. C., Burlington—C. T. and W. K. Holt let contract to Sharpe & Bryan for \$75,000 apartment, S. Main and Alamance Sts.; rough face brick, 3 stories, 98x110 ft. 2-2

Okl., Ada—Sherritt & Pariker, Mgrs. of Hotel Aldridge, Wewoka, let contract to Harmon and Mattison Construction Co., Oklahoma City, for \$300,000 hotel, Broadway and 12th Sts.; rein. conc., brick veneer, 6 stories, 46x110 ft., terrazo floors, freight and passenger elevators; cafeteria, drug store and barber shop on main floor; Guy C. Reid, Archt., 4210 W. 23d St., Oklahoma City. 2-9

Okl., Oklahoma City—W. P. Houston, 1525 W. First St., erect \$10,000 apartment; brick, 2 stories, owner builds.

Okl., Tulsa—Henry Ketchum, 424 E. Elgth St., erect 3-story addition to Hotel Tulsa; steel and terra cotta, \$140,000; A. J. Bowie Co., Contr.

Tenn., Memphis—H. A. McQuire & Co., 820 Dermon Bldg., erect \$65,000 apartment; brick veneer, 85x60 ft., 2 stories, tile and comp. roof; W. C. Lester, Archt., Dermon Bldg.; owner builds. 3-15

Tex., Pecos—Graham Improvement Co. let contract to Poff Construction Co. for \$150,000 hotel; fireproof, brick, 3 stories, 100 rooms with bath, steam heat; W. Y. McAtee, Archt. 3-1

Tex., San Antonio—C. A. Phillips, Lanie Hotel, San Antonio, let contract at \$25,500 to Ferguson & Wood, 1014 Drexel St., for apartment; frame and brick veneer, 2 stories, 60x38 ft., hardwood floors, rein. conc., asphalt shingle roof. 1-15

W. Va., Logan—B. L. Holland erect \$20,000 apartment; fireproof, buff brick, 3 stories; J. W. Fisher, Contr.

W. Va., Romney—Snider Bros., Inc., have contract to erect addition to New Century Hotel.

### Miscellaneous

Ala., Florence—A. Stamps has contract for curb market, W. Pine and W. Mobile Sts.; Paul Hofferbert, Archt.

Md., Laurel—Maryland State Fair Assn., A. J. Cummings, Pres., let contract to Fraine Bros. & Haigley, 19 W. Franklin St., Baltimore, for grandstand and clubhouse, Laurel Racetrack; \$300,000; grandstand 500 ft. long, conc. and steel, seat 10,000; clubhouse, 1 story and basement, with mezzanine, conc. and steel; 1800 tons of steel, Belmont Iron Works, Philadelphia, Pa.; Wm. Higginsno, Archts., 101 Park Ave., New York. 1-26

N. C., Mount Airy—Mount Airy Country Club, H. M. Foy, Sec., let contract to H. D. Cooke for \$10,000 clubhouse; log or stucco, 50x30 ft., 2 stories, oak floors, stone foundation. 9-8

Tex., Port Aransas—Port Aransas Sporting Club, care W. H. Vernor, 612 Travis Bldg., let contract to Walsh & Burney, 928 N. Flores St., San Antonio, for first unit of clubhouse; rein. conc., hollow tile, stucco, 2 stories; \$100,000; Phelps & DeWees, Archts., Gunter Bldg., San Antonio. 12-22

Tex., San Antonio—Hamilton-McDowell, Inc., Hobart K. McDowell, Pres., Travis Bldg., erect 53 lodges, Austin and Burr Rd.; stucco, conc., tile metal lath; U. H. Wanger, Contr., 101 W. Pecan St.

Va., Staunton—Stonewall Jackson Hotel Corp., let contract to Davis, Loth & Breed-en, Witz Bldg., for \$90,000 golf club hotel; brick, steel, 4 stories, conc. floors, stone and conc. foundation, slate roof; Davis Bros., Archts., 1716 Summit Ave., Richmond. 3-15

### Schools

Ala., Phenix City—Bd. of Education, L. P. Stough, Supt., let contract at \$49,100 to Snelling Lumber Co. for school; brick, 1

story and basement, 192x140 ft., 15 classrooms, auditorium; built-up roof, steam heat, conc., tile and oak floors, conc. footings; T. F. Lockwood, Archt., Murrah Bldg., Columbus, Ga. 2-23

D. C., Washington—Dist. Commrs., Room 509 Dist. Bldg., let contract at \$78,570 to Skinner & Garrett, 1416 F St., for Margaret Murray Washington School; 4 rooms; Albert L. Harris, Archt., Dist. Bldg.; Miss F. Leota Soars, Engr., 1734 P St. 3-8

Fla., Cross City—Thomas H. Emerson has contract for \$50,000 school.

Fla., Lake Worth—Palm Beach County Bd. of Public Instruction let contract at \$68,445 to Chalker & Lunds, Inc., 803 Harvey Bldg., for Junior High School; stucco, tile, 16 rooms; contract to H. G. Mitchell, at \$11,725 for gymnasium; frame, stucco.

La., Angie—Washington Parish School Bd., Franklinton, let contract at \$14,950 to G. R. Burt, Columbus, Miss., for 1-story school; B. H. Buck, Engr., Bagalusa. 2-23

N. C., Asheville—Buncombe County Bd. of Education, A. C. Reynolds, erect \$85,000 school; brick, comp. roof; Ronald Greene, Oates Bldg. Archt.; W. B. Henry, Contr.

Tenn., Johnson City—East Tennessee Teachers' College let contract at \$145,415 to Pyle Bros., Kingsport, for building; heating and plumbing, A. H. Abernathy; elec. work, Electric Supply Co., both Johnson City; R. H. Hunt Co., Archt., James Bldg., Chattanooga. 3-15

Tex., Goose Creek—Goose Creek Ind. School Dist. let contract at \$165,550 to M. C. Parker & Co., 1919 Magnolia St., for Senior High School, between Baytown and Goose Creek, rein. conc., 2 stories, hollow tile and brick; plumbing, Lee Rogerson, 903 Truxello St.; heating, Walker Heating & Plumbing Co.; electric, Eugene Ash; Harry D. Payne, Archt., 1915 Norfolk St., all Houston. 2-16

Tex., Post—City voted \$100,000 school bonds; erect school; Ribble & Ribble, Contrs.

Tex., Shiner—Bd. of Education, T. H. Leslie, Supt., let contract at \$43,872 to A. H. Shafer, 418-20 N. St. Mary's St., San Antonio, for high school; brick, conc., 2 stories; Giesecke & Harris, Archts., 207 W. Seventh St. 3-1

Va., Richmond—Henrico County School Bd. let contract at \$48,000 to Taylor Mfg. Co., Inc., Farmville, for 1-story high school at Varina; brick, 108x110 ft., maple floors, slate and built-up roof, conc. foundation.

### Stores

Ark., El Dorado—Dr. J. G. Mitchell, Mitchell Bldg., erect 1-story drug store, West Ave. and Bell St.; brick, 20x60 ft.; rein. conc. foundation, metal ceilings, built-up roof, conc. floor; N. B. Bridges, Contr.

Fla., Jacksonville—L. A. Crews let contract at \$14,000 to A. B. Drygas, 350 W. 21st St., for 1-story store, brick, tile, cement floors, conc. foundation, built-up roof; Marks & Sheftall, 210 Clark Bldg., Archts.-Engrs. See Want Section—Building Materials and Equipment. 3-15

Ga., Atlanta—Massell Realty Co., Poplar St., erect \$10,000 store, Ponce De Leon Ave.; brick, built-up roof; owner builds.

La., Shreveport—E. N. Jacobs, 880 Monrovia St., let contract at \$106,300 to H. & B. Construction Co., for store, Texas and Edwards Sts.; rein. conc. face brick, 2 stories and basement, 80x120 ft., comp. roof, hardwood floors, electric elevator, sprinkler system; Clarence W. King, Archt., Giddens-Lane Bldg. 2-2

Md., Baltimore—Howard E. Jackson, 102 W. Rogers Ave., erect 2 brick buildings, Reisterstown Rd. and Rogers Ave.; 2 stories, slag roofs, hot water heat; \$15,000; Stanislaus Russell, Archt., 11 E. Lexington St.; J. L. Constantine, Contr.

Miss., Gulfport—Phillip Levine and A. Rosenberg let contract to W. M. Craig, Box 263, at \$23,800 for remodeling store, 26th Ave.; to be occupied by J. C. Penney Store, New York; 2 stories, 40x100 ft., steel floor, tile entrance, built-up roof; J. C. Penney Construction Dept., Archts., 330 W. 34th St., New York. See Want Section—Building Material and Equipment. 3-15

Miss., Laurel—R. C. Gaddis & Co., Central Ave., let contract at \$56,480 to L. A. Giley for department store; rein. conc., stone trim, brick, 2 stories and mezzanine, comp. roof, structural steel and iron work plate glass windows, marble base, sprinkler system, electric elevator; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 3-1

Mo., Clayton, St. Louis—W. T. Butz, 8539

Natural Bridge, erect \$12,000 store and flat building; brick, 55x65 ft.; R. R. Anglum, Archt.; E. Klus, Contr., 5381 Geraldine St.

Mo., St. Louis—G. T. Burdean, 801 Chestnut St., erect \$10,000 store; 1 story, 125x80 ft.; W. S. Frank, Archt., 901 Century Bldg.; owner builds.

Mo., St. Louis—Nash Construction Co., 212 N. Sarah St., has contract for \$30,000 store, Sixth and Frank Sts.; brick, 2 stories, 95x85 ft.; Manske & Bartling, Archts., 210 Euclid Ave.

Mo., St. Louis—Leo. Mueller, 3512 Osage St., erect \$13,500 store; brick, 2 stories and basement, tile floors, comp. roof, conc. foundation; O. J. Popp, Archt., 1523 Arcade Bldg.; W. Boemke, Contr., Richmond.

Mo., St. Louis—S. P. Cotton erect \$25,000 store, 5021 Easton Ave.; brick, 50x114 ft., 2 stories and basement, comp. roof, conc. foundation; plans by Saum Architects, 713½ Chestnut St.; owner builds. 3-3

N. C., Winston-Salem—Gilmers, Inc., O. H. Davis, Pres., N. Liberty St., let contract to Walter Kidde & Co., Inc., Jefferson Standard Bldg., Greensboro, for \$300,000 to \$400,000 department store, S. W. corner Fourth and Liberty Sts.; 6 stories, basement and sub-basement, first floor have exterior of stone, while balance will be buff facing brick; 3 or 4 elevators, chutes, automatic heating and cooling system; Northrup & O'Brien, Archts., Starbuck Bldg.; steel, McClintock-Marshall Co. 3-8

S. C., Florence—J. C. Penney Co., 330 W. 34th St., New York, erect \$40,000 store, brick, 1 story, 45x145 ft., conc. foundation; J. B. Mobley, Contr., Florence. See Want Section—Building Material and Equipment.

Tenn., Memphis—Thomas & Cohen, 1611 Parkway St., erect \$25,000 store and filling station; Jackson Ave. and Evergreen St.; brick, 1-story and basement, conc. floors, built-up roof; Estes W. Mann, Archt., 203 Cotton Ex. Bldg.; construction by day labor.

Tex., Corpus Christi—S. J. Blythe erect \$10,000 store, Staples St. and Booty Ave.; brick, tile, conc., cast stone trim, 1 story, 80x50 ft.; Hammon & Co., Archt., McDonald Bldg.; O. J. Olson, Contr.

Tex., Edinburg—Mrs. Bertha Lawrence let contract at \$11,250 to J. M. Thompson, Mercedes, for 1-story store; conc., tile, brick, 75x60 ft., comp. roof; Robert L. Vogler, Archt., Lipscomb Bldg. 2-9

Tex., Houston—R. Grassedonio, 1518 Houston St., erect \$10,000 store and apartment building, 2817 W. Dallas St.; 2 stories, hardwood floors; P. V. McDaniel, Archt., Bkrs. Mtg. Bldg.; Geo. Vaughn, Contr.

Tex., McAllen—J. C. McCrory Stores, Inc., 1107 Broadway, New York, let contract at \$27,000 to W. A. Velton, Brownsville, for 1-story store; brick, rein. conc.; W. H. Simpson, Archt., care owner; A. H. Woolridge, Associate Archt., McAllen. 2-23

Tex., Uvalde—Jake Schwartz, and others, let contract to Carter & Hall, San Angelo, for 1-story store; brick, hollow tile, 55x100 ft.; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio.

Tex., Wichita Falls—R. O. Kenley, Iowa Park Bld., let contract to W. H. Allen, 1300 Fifth St., for 35x90 ft. store, Seventh and Burnett Sts.; brick; Sorey & Vahlberg, Archts., Hamilton Bldg. 3-15

### Theaters

Tenn., Chattanooga—Reliance Investment Co. let contract to John Parks, both Hamilton Natl. Bk. Bldg., for \$138,000 theater, 626-28 Market St.

Tex., McAllen—Jacob Garze let contract to A. M. Longoria for \$18,000 theater, 16th St. and 16th Ave. 3-8

### Warehouses

Ga., Rome—Central of Georgia Railway Co., C. E. Weaver, Ch. Engr., Savannah, erect 3 warehouses: one 3 stories, 50x120 ft., and two 1-story, 35x120 ft.; brick, conc. and wood floors, built-up tar and gravel roofs; brick and woodwork by owners; following sub-contracts let: Plumbing, Roser Plumbing Co., Rome, Ga.; automatic sprinkler system, Grinnell Co., Inc., 276 Marietta St., Atlanta, Ga.; elevator, Smith Elevator & Mfg. Co., 1612 Cowart St., Chattanooga, Tenn. 1-19

Mo., St. Louis—Great Atlantic & Pacific Tea Co., 3127 S. Grand St., erect \$150,000 warehouse, 4525 Scott St.; 4 stories, 100x300 ft., conc. roof; Austin Co., Contr., Arcade Bldg.

Mo., St. Louis—J. C. Penney Building and Realty Corp., 330 W. 34th St., New York, let contract to Starrett Bros., Inc., 292 Madison Ave., New York, for \$2,000,000 warehouse, conc., 12 stories, 200x300 ft., conc. floors;

John F. Miller Archt., 330 W. 34th St., New York; T. P. Barnett Co., Asso. Archt., Arcade Bldg.; Taxis & Becher, Structural Engrs., both St. Louis. 2-9

Tenn., Knoxville—Henry G. Trent Furniture Co., Henry G. Trent, Pres., 418 S. Gay St., let contract to Seaton & Webb for \$75,000 warehouse, Grand and 18th Sts.; brick,

155x130 ft., 2 stories, 40,300 sq. ft. floor space. 3-15

Tex., Amarillo—J. H. Bishop, 1826 Polk St., let contract at \$35,480 to Story & Ross for warehouse, Grant St.; semi-fireproof, brick, 2 stories and basement, 100x140 ft., built-up roof, conc. foundation; J. Roy Smith, Archt., 310 Blackburn Bldg.

Tex., Amarillo—M. & L. Transfer Co. erect \$16,000 warehouse, 209 Arthur St.; brick, 60x140 ft., 1 story, comp. roof; Geo. Parr, Contr., 115 W. Sixth St.

Tex., Amarillo—Panhandle Improvement Co. erect \$13,000 warehouse, 212-14 W. 18th St.; brick, 70x70 ft., 1 story, comp. roof; George Parr, Contr., 115 W. Sixth St.

#### THE CLASSIFICATIONS IN THIS SECTION ARE:

## WANT SECTION

### Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

### Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

### Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

*Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.*

### Machinery and Supplies

**Annunciators, etc.**—J. W. Hoopes, Denbigh, Va.—Wants dealers' prices on annunciators, burglar alarms, etc., for dwellings, shops, etc.

**Automobile Bus Bodies.**—C. Cotesworth Bancroft, Inc., 1743 Canal Bank Bldg., New Orleans, La.—Wants data and prices on automobile bus bodies.

**Brick Kiln Machinery.**—J. K. Smith, Sec., DeRidder Chamber of Commerce, DeRidder, La.—Wants machinery for brick kiln.

**Cement Roof Tile Machinery.**—J. A. Burke, 3217 Cadiz St., New Orleans, La.—Wants machine to make cement roofing tile, French and Spanish design.

**Concrete Tower Bin.**—Palmer-Spivey Construction Co., Box 313, Charlotte, N. C.—Wants concrete tower bin with all clamps, rod supports with operating handle, approx. one cu. yd. capacity; wire price, state condition and time hopper has been used.

**Domestic Water Supply System.**—Col. W. E. H. Searcy, Sr., Box 365, Griffin, Ga.—Wants data on small electrically operated system to pump water from well to second story of residence.

**Generator Set.**—Birmingham Engine & Machinery Corp., 8th Ave. and 28th St., Box 1609, Birmingham, Ala.—Wants 100 to 150 kw. motor generator set with switchboard, first class condition, generator 250 volt direct current, motor to be 3 phase, 60 cycle, 220 volt.

**Grinding Machine.**—Sprout, Waldron & Co., Muncy, Pa.—Wants grinding machine, at least 30-in. swing, distance between centers 96-in. or more; either Landis or Norton.

**Knitting (Hosiery) Machine.**—T. J. Brightwell, Maxeys, Ga.—Wants data and prices on machinery for installing smallest practical manufacturing unit to knit hosiery.

**Match Making Machinery.**—J. M. Frese, 2912 18th St., Tampa, Fla.—Wants machinery to make matches (friction matches.)

**Motor (Electric).**—Farmers Gin Co., Taloga, Okla.—Wants good, used, 75 h. p., 2300 v. electric motor.

**Rails (Relaying), etc.**—Yazoo Brick Co., C. E. Mann, Pres., Yazoo City, Miss.—Wants 2500 yds. 12 lb. relaying rails, angle bars, bolts and spikes.

**Sewing Machines.**—Chas. S. Taylor, 5208 Junius St., Dallas, Tex.—Wants prices on 20 machines suitable for sewing rayon.

**Tank and Tower.**—City Clk., Mulhall, Okla.—Wants second hand 50,000 or 60,000 gal. tank and tower.

**Water Works.**—N. W. Pittman, Athens, La.—Wants data on complete plants or supplies for water works for small town of about 100 residences, 25 business houses.

**Standard Construction Co., 514 St. Paul St., Baltimore, Md., wants:**

- (1) Air Compressor—110 cu. ft. portable
- (2) Trenching Machine—Bear Cat or Keystone.

**K. Rodgers Oil, Inc., First National Bank Bldg., Fort Smith, Ark.—Wants prices on:**  
**Pumps and Fittings**

- (1) Canning Plant Machinery and Supplies
- (2) Preserving Machinery
- (3) Pickle Plant Equipment.

**Biloxi Milk Products Co., Inc., Caillevert St., Biloxi, Miss., wants prices on following:**  
(1) Freezer—40 qt. expansion, U. S. or Emory-Thompson preferred  
(2) Pasteurizer—200 gal., used or rebuilt.

**J. B. Taylor, Sec., Caribbean Co., Inc., 221 W. 105th St., New York.—Wants data on machinery for tropical planting, boxing and shipping vegetables, etc.**

**Milton Gin and Warehouse Co., Inc., Milton, Fla., will erect cotton gin and wants machinery of various kinds, including:**

- (1) Cotton Press
- (2) Engine (Crude Oil)
- (3) Generator Set
- (4) Motor.

**Marshall Haney, Ph. D., Geer, Va., wants data and prices on following for manganese mining:**

- (1) Mining Tools and Machinery
- (2) Mill Machinery
- (3) Washer.

**J. N. Bryan & Son, Contr., Raleigh, N. C., wants prices on following for storage garage:**

- (1) Derricks, etc.
- (2) Hoisting Machinery.

**R. P. Johnson (Mchy. Dealer), Wytheville, Va., wants following:**

- (1) Boiler—100 h.p., return tubular, full front to stand 125 lb. working pressure
- (2) Saw Mill—6-ft. band, with power to operate.

**Albert Pipe Supply Co., Inc., Berry and 13th St., Brooklyn, N. Y., wants following:**  
(1) Pipe—5000 ft. or more of 12-in.  
(2) Pipe Machine—motor driven A.C., 3 phase, 60 cycle, or belt driven 16-in. or larger, not particular as to make.

**Alexander T. McLeod, First Natl. Bank Bldg., Chicago, Ill., wants following good used equipment:**

- (1) Cars, etc.
- (2) Crane—20 to 25 ton overhead, about 70-ft. span
- (3) Derricks
- (4) Engine—800 to 1000 h.p. cross compound Corliss
- (5) Hoists
- (6) Locomotive—35 to 40 ton saddle tank
- (7) Scale—large railroad track.

**Jackson & Gibbs, Box 734, Fort Pierce, Fla., wants following:**

- (1) Engines—60, 80, 120 and 240 h.p. Fairbanks, Morse Deisel
- (2) Ice Plant—25 ton modern, fully equipped, to be used in Texas
- (3) Pumps—two 30,000 gal. hr., centrifugal, direct connected to gas engine (Deisel preferred); portable.

**Flour Mill Machinery.**—Farmers Mill & Grain Co., 620 S. Evans St., El Reno, Okla., rebuilding burned elevator and wants second hand, good condition:

- (1) Bucket Conveyor—16-in. 6 ply, approximately 120 ft. long with buckets
- (2) Corn Sheller—400 bu. per hr.
- (3) Cleaner—33 or 34
- (4) Head Pulley
- (5) Lift—hand operated
- (6) Scales—automatic 6 bu.

**Tallassee Land Co., 512½ Market St., Knoxville, Tenn., developing 2000 acres for subdivision, etc., and wants:**

- (1) Gasoline Launch
- (2) Boats (Pleasure)
- (3) Plumbing Supplies
- (4) Piping and Storage Tanks (for gravity water system)
- (5) Electrical Equipment—complete 25 kw. 2300 volt plant.

**Makepeace Box and Lbr. Co., Sanford, N. C., wants prices on following:**

- (1) Engine—125 h. p.
- (2) Generator—200 h. p.
- (3) Millwork Machinery—to make sash, doors, flooring, etc.

**Kleinsol Laboratories, Inc., 17th and 2d Ave., St. Petersburg, Fla.—Wants prices on following:**

- (1) Glass Soap Filters—for liquid soap, hotel use
- (2) Soap Cutters
- (3) Soap Press
- (4) Moulds—soap
- (5) Wrappers—soap.

**Guyan Machine Shops, Logan, W. Va., wants:**

- (1) Air Compressor—4x4-in.
- (2) Cylinder Grinder—for auto and truck
- (3) Elevator—for 2-story bakery, electric or belt driven
- (4) H Columns—8-in.x28-ft.
- (5) I-Beam Hoist—1 or 2 ton capacity, AC or DC
- (6) Iron Worker
- (7) Japanning Oven—for baking large armatures, natural gas or electric heat
- (8) Lathe—for turning steel tires and steel locomotive wheels up to 40-in. diam., 32 to 48-in. gauge
- (9) Punch and Shear—prefer No. 1½ Buffalo Universal
- (10) Steel Sash—for garage, 2-story, 60x110-ft.
- (11) Safe Cabinet—for office, large size, fireproof
- (12) Taper Attachment—for 22-in. American lathe
- (13) Lifting Magnet—for 220 volts, fire current.

### Miscellaneous

**Hangars, etc.**—Meridian Airways, Inc., care of Meridian Motor Co., Meridian, Miss.—Wants prices on tent, portable or temporary hangars.

**Moulds (Burial Vaults).**—J. Thorburn, Pres., Georgia Marble Works, 214 N. Lawrence St., Montgomery, Ala.—Wants data and prices of moulds for burial vaults.

**Patterns.**—See Rayon, etc.

**Rayon, etc.**—Chas. S. Taylor, 5208 Junius St., Dallas, Tex.—Wants samples and prices of rayon, 36 to 42 mesh, also price on patterns for short bloomers and teddies.

**Soda Fountain.**—Star Drug Co., Inc., C. O. Holland, Pres., Minde, La.—Wants prices on soda fountain.

**Stanley Brothers, Box 35, DeRidder, La., want data and prices on paste-board fillers for egg shipping crates.**

**Southern Import & Export Co., Box 1168, Jacksonville, Fla., wants data on following:**

- (1) Soda Ash
- (2) Sodium Aluminum.

**A. C. Tharin, Box 2254, Jacksonville, Fla., wants to represent manufacturers of following:**

**Wire rope, manila and hemp rope, okum and packing, sewer compound, pl lead, paint, valves and fittings, portable pumps, electrical hand tools, solder, asbestos shingles, boiler compound, etc.**

**Jack Frost Packing Co., Inc., Corpus Christi, Tex.—Wants data on equipment to dry peeling and heads of shrimp (removed before canning); also machinery to grind product.**



**Building Material and Equipment**

Frank Bourie, Contr., P. O. Box 104, Cross City, Fla., wants prices on following for \$11,000 jail, Trenton, Fla.:  
**Cast Stone.**

R. S. Hickman, Cass, W. Va., wants prices on following for rebuilding church:  
**Flooring—hardwood**  
**Plaster**  
**Rolling Partitions**  
**Roofing—tin shingle.**

E. T. Lindner, 5336 Forty-first St., Washington, D. C., wants prices on following for \$14,500 dwelling:  
**Flooring—hardwood, linoleum**  
**Plaster Board**  
**Tile—hollow.**

Tallassee Land Co., 512½ Market St., Knoxville, Tenn., developing 2000 acres subdivision, golf links, religious assemblies, etc., and wants building materials of all kinds in car lots.

H. J. McCracken, Bolivar, Mo., wants prices on following for clothing and shoe store:  
**Equipment**  
**Floors—hardwood, linoleum, terrazzo, tile composition**  
**Marble**  
**Metal Ceilings**  
**Tile—gypsum, hollow, interior**  
**Terra Cotta Trim**  
**Wire Glass.**

J. C. Blerbaum, Pastor, California, Mo., wants prices on following for \$15,000 to \$20,000 church:  
**Metal Ceilings**  
**Plaster Board**  
**Roofing—asbestos shingle, asphalt shingle, slate, tile**  
**Brass or Bronze Work.**

Dalton Hooper, 1905 Kipling St., Houston, Tex., wants prices on following for \$32,000 building:  
**Plaster Board.**

A. Bailey Clark, Daytona Beach, Fla.—Wants prices on:  
**Concrete blocks—17,000 8x8x16, mix 1:3, aged 60 days, f.o.b. Daytona; immediate delivery; wire.**

John W. Cowper Co., Inc., Contr., Healey Bldg., Atlanta, Ga., estimating on barracks and quarters, Fort Bragg, N. C., wants bids until Mar. 30 on materials and sub-contracts.

W. M. Craig, Contr., Box 263, Gulfport, Miss., wants prices on following for store:  
**Cast Stone**  
**Elevator—hand freight**  
**Flooring—maple.**

A. B. Drygas, Contr., 350 W. 21st St., Jacksonville, Fla., wants prices on following for \$14,000 store:  
**Cast Stone**  
**Roofing—built-up, tile.**

Rev. J. W. Hendrix, Pastor, Methodist Episcopal Church, South, Tulsa, Tex., wants prices on following for \$22,500 church:  
**Flooring—Battleship linoleum**  
**Metal Ceilings**  
**Plaster Board**  
**Rolling Partitions**  
**Terra Cotta Trim.**

Rev. C. Wolford, 930 N. 47th St., Birmingham, Ala., wants prices on following for \$20,000 building:  
**Metal Ceilings**  
**Metal Doors**  
**Rolling Partitions.**

Max Goetz, 412 N. 28th St., Richmond, Va.—Wants data and prices on:  
**Antifreeze Turrets.**

Beeler & Co., Contr., Johnson City, Tenn., want prices on following for \$150,000 church:  
**Cast Stone**  
**Flooring—hardwood, terrazzo, tile, composition**  
**Roofing—built-up, slate**  
**Steel Sash and Trim**  
**Vaults.**

Boller Bros., Archts., 114 W. Tenth St., Kansas City, Mo., wants prices on following for theater and store building, Miami, Okla.:  
**Metal Doors**  
**Roofing—built-up**  
**Terra Cotta Trim.**

Livesay & Wiedemann, Archts., Beaumont, Tex., wants prices on following for school and gymnasium, Nederland, Tex.:  
**Cast Stone**  
**Flooring—hardwood, composition**  
**Roofing—built-up**  
**Tile—hollow**  
**Ventilators**  
**Wire Glass.**

J. B. Mobley, Contr., Florence, S. C., wants prices on following for \$40,000 store:  
**Flooring—tile**  
**Roofing—built-up 20 years.**

H. A. Ludewig & Co., Archts., 509 Dickman Bldg., St. Louis, Mo., wants prices on following for \$250,000 hotel:  
**Electric Refrigerators**  
**Elevators**  
**Incinerator**  
**Limestone**  
**Marble**  
**Metal Doors**  
**Roofing—built-up, tile**  
**Steel Sash and Trim**  
**Tile—gypsum**  
**Terra Cotta Trim**  
**Wire Glass.**

J. W. Hoopes, Denbigh, Va., wants dealers' prices on following for dwellings, shops, etc.:  
**Electric Fixtures.**

**Bids Asked**

**Bridge.**—San Antonio, Tex. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Decatur, Tex. See Construction News—Roads, Streets, Paving.

**Bridge.**—Folkston, Ga. See Construction News—Bridges, Culverts, Viaducts.

**Bridges.**—Fort Worth, Tex. Bids for 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridges.**—State of Texas. Bids for 6 bridges. See Construction News—Roads, Streets, Paving.

**Bridges.**—State of Virginia. Bids for 2 bridges. See Construction News—Roads, Streets, Paving.

**Bridges.**—Quitman, Miss. Bids for 3 bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge Lighting.**—City Comms., Huntington, W. Va., reported, receive bids Mar. 26 for lighting system, Four Pole Bridge over Four Pole Creek, Piedmont rd., Madison Ave.

**Brushes.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Apr. 12 for paint, stencil, paste, varnish and sash tool brushes; delivery Philadelphia, Pa. Sch. 540.

**Building Materials.**—Quartermaster, United States Army, 3rd Corps., Baltimore, Md.—Bids Mar. 30 for 60 tons rock, 45 tons gravel, 90 tons sand, 116 bbls. cement, 60 ft. flue lining, 3500 common and 200 fire brick, 1360 hollow tile and 1 ton hydrated lime.

**Cement (Portland).**—U. S. Engr., Louisville, Ky.—Bids Mar. 30 for 32,200 bbls. Portland cement.

**Cement (Portland).**—Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Mar. 26 for 20,000 bbls. Portland cement. (Sch. 1866).

**Copper Sulphate.**—Director of Purchase and Sales, Dept. Agriculture, Washington, D. C.—Bids Mar. 27 for 900 lbs. copper sulphate and 600 lbs. commercial arsenate of lead.

**Elevator (Electric).**—Bureau of Standards, Purchasing Sec., Washington, D. C.—Bids Mar. 26 for dual control push button automatic and car switch or car button control electric passenger elevator, hoisting engine, etc.

**Feedwater Heater.**—Purchase Section, Bureau of Standards, Washington, D. C.—Bids Mar. 29 for feed water heater.

**Gravel.**—Farmerville, La. See Construction News—Roads, Streets, Paving.

**Highway Lighting.**—John M. Murch, Galveston County Auditor, Galveston, Tex.—Bids Mar. 26 for installation lighting facilities on Highway No. 6.

**Lamp Posts and Fittings.**—Comms. District of Columbia, Washington, D. C.—Bids Mar. 26 for lamp posts and fittings for use by electrical dept.

**Lead Substitute.**—Board of Awards, Baltimore, Md.—Bids Mar. 28 to furnish and deliver lead substitute to Bureau of Water Supply; Edw. G. Rost, Water Engr.

**Levee Protection.**—Galveston County Comms., Galveston, Tex.—Bids Mar. 26 for levee protection work and drainage, Texas City; 306,632 cu. yds. levee fill; 120 cu. yds. conc.; 18-24 and 48-in. corrugated iron pipe; eleven 24-in. and two 48-in. Calco automatic drainage gates, etc.

**Miscellaneous Supplies.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Apr. 5 for following: Sch. 1865:

**Steel filing equipment, cable, portable cord, wires, storage batteries, magnetos, refractors, brushes, paints, varnishes, steam distilled wood turpentine.**

**Oil (Road).**—State Highway Comn., Office of Sec., Jefferson City, Mo.—Bids Mar. 30 to furnish road oil; T. H. Cutler, Ch. Engr.

**Paper.**—Treas. Dept., Bureau of Engraving and Printing, Washington, D. C.—Bids Apr. 14 to furnish Bureau with postage stamp paper and internal revenue paper fiscal year beginning July 1.

**Paving, etc.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.

**Paving, etc.**—Roanoke, Va. See Construction News—Roads, Streets, Paving.

**Piling Dikes.**—U. S. Engr., Kansas City, Mo.—Bids Mar. 27 for 3300 ft. standard pile clump dikes in Missouri River, Amazon Bend, and 7600 ft. standard pile clump dikes in Missouri River, Jackson's Bend.

**Pipe (Vitrified).**—See Sewers.

**Pipe (Clay).**—See Pipe (Sewer).

**Pipe (Concrete).**—See Pipe (Sewer).

**Pipe (Cast Iron).**—See Water Works, Sewer.

**Pipe (Galvanized).**—See Water Works, Sewer.

**Pipe and Fittings.**—Plant City, Fla., El. H. Thompson, Mgr.—Bids Mar. 26 for 3000 ft. 6-in. Class B bell and spigot type c.i. water pipe; 10 to 6-in. c.i. reducer; ten 6-in. c.i. plugs; four 4-in. c.i. plugs; six 6-in. c.i. sleeves; f.o.b. cars.

**Pipe (Sewer).**—R. Keith Compton, Dir. of Public Works, Richmond, Va.—Bids Mar. 30 for furnishing 37,000 ft. clay or plain conc. sewer pipe, 6 to 24-in.; also 12,000 ft. pre-cast rein. conc. or seg. block sewer pipe, 30 to 60-in.

**Portland Cement.**—Panama Canal, A. L. Flint, Gen. Pur. Officer, Washington, D. C.—Bids Mar. 26 for Portland cement.

**Reservoir.**—Board of Awards, Baltimore, Md.—Bids Mar. 23 for building Towson reservoir; Edw. G. Rost, Water Engr.

**Road.**—Belzoni, Miss. See Construction News—Roads, Streets, Paving.

**Road.**—New Orleans, La. See Construction News—Roads, Streets, Paving.

**Road.**—Longview, Tex. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Maryland. Bids for 9 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Texas. Bids for 4 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Farmerville, La. See Construction News—Roads, Streets, Paving.

**Roads.**—State Highway Dept., Dover, Del. Bids April 15 for:

(1) Cont. 108—280,000 sq. yd. oiling surface treating

(2) Cont. 109—200 tons broken stone base course, 2200 sq. yd. Amiesite surface course

(3) Cont. 101—4000 cu. yd. excavation and borrow, 300 tons broken stone base course, 2800 cu. yd. cement conc. paving, 1500 lin. ft. pre-molded bit. expansion joint, 20,000 sq. yd. cement conc. sidewalk, 4500 lin. ft. 6 to 24-in. T.C. pipe, 16,000 lb. c.i. gratings, etc.

(4) Cont. CS62—4.08 ml. Gumboro Rd.—El-Hott's School, 18,000 cu. yd. excavation and borrow, 9000 lb. rein. steel

(5) Cont. CS63—3.40 ml. Bridgeville Rd.—Double Bridges, 21,000 cu. yd. excavation and borrow, 14,500 lb. rein. steel

(6) Cont. CS61—6.55 ml. Harmon School—Angola-Mission School, 27,500 cu. yd. excavation and borrow, 6000 lb. rein. steel, 9600 cu. yd. cement conc. or slag aggregate pavement, or 55,000 sq. yd. sand asphalt surface course, 670 lin. ft. 15 to 36-in. R.C. pipe.

**Roads.**—State of Texas. Bids for 3 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Virginia. Bids for 4 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of West Virginia. Bids for 10 roads. See Construction News—Roads, Streets, Paving.

**Road Grader.**—State Highway Dept., Dover. Bids April 18 for one-man motor grader, with crawler treads, 8-in. blade; Cont. N.

**Road Material, etc.**—Shelby County Comms., Memphis, Tenn. Bids Mar. 26 for:

(1) Crushed Limestone

(2) Road Gravel—Camden, Tishomingo, Kentucky, gravel switch, or equal

(3) Concrete Gravel

(4) Sand

(5) Piling and Lumber—2x4 to 6x6; piles 10x12—16 to 24 ft. long

(6) Lumber—W. O. B. O. R. O., or cypress, untreated, also red cedar or cypress piling

(7) Bituminous Materials

(8) Mule Shoes—one carload

(9) Tractor—10-ton

(10) Gasoline—3 or more cars

(11) Pipe (Culvert)—c.i., vit. clay or corrugated metal, 15 to 48 in.

**Sewers.**—Town of Boaz, Ala., W. W. Creel, Mayor.—Bids about Apr. 12 for \$10,000 sewer system in business section, 5800 ft. concrete pipe, septic tank No. 2654 and sludge bed; J. B. McCrary Engineering Corp., Atlanta, Ga., Engrs. 3-15

**Sewers.**—Amarillo, Tex., Jeff D. Bartlett, City Mgr., Amarillo, Tex.—Bids Apr. 3 for sewer disposal plant; Wynkoop Klersted, Consult. Engr., 614 Interstate Bldg., Kansas City, Mo.

**Sewers.**—See Water Works, Sewers.

**Sewers.**—Jefferson City, Mo., F. E. Ross, Engr.—Bids Mar. 26 for sewer in Dist. No. 36.

**Sewers.**—Board of Awards, Baltimore, Md.—Bids Mar. 28 for sanitary sewers and storm drains, Dists. H-3 and H-5, Sanitary Cont. No. 248; work includes rein. conc. pipe drain; vit. pipe drain; manholes, etc.

**Sewers.**—Greater Greenville Sewer Dist. Comm., Greenville, S. C.—Receives bids Apr. 17 for furnishing materials and building following sewers: 5600 ft. 16-in. Poe Mill line; 5400 ft. 16 and 18-in. pipe Woodside Mill line; 11,850 ft. 15, 16 and 18-in. pipe Richland Creek line; 4300 ft. 20-in. pipe Brushy Creek line; 12,300 ft. 16 and 20-in. pipe Reedy River line above Southern Depot; 4670 ft. 16 and 18-in. pipe branch line to Wilton St.; J. E. Sirrine & Co., Engrs., Greenville.

**Sheet Steel.**—Commrs., District of Columbia, Washington, D. C.—Bids Mar. 29 for 9500 sheets, 190,500 lbs. No. 22 U. S. gage, and 1300 sheets, 33,320 lbs. No. 20 gage sheet steel for use in auto tag making plant.

**Street.**—Greensboro, N. C. See Construction News—Roads, Streets, Paving.

**Street.**—Auburn, Ala. See Construction News—Roads, Streets, Paving.

**Street.**—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

**Street.**—Clinton, Miss. See Construction News—Roads, Streets, Paving.

**Street.**—Franklin, Ky. See Construction News—Roads, Streets, Paving.

**Street.**—Muskogee, Okla. See Construction News—Roads, Streets, Paving.

**Tank and Tower.**—See Water Works, Sewer.

**Tractor.**—M. E. Taylor, Bowie County Auditor, Boston, Tex.—Bids Mar. 26 for 5 ton tractor, f.o.b. Texarkana.

**Uniforms.**—State Highway Dept., Dover, Del. Bids Apr. 18 for 38 State Highway police uniforms; Cont. O.

**Water Works, Sewers.**—City of Cowpens, S. C., C. M. Sims, Clk.—Bids Apr. 3 for materials and constructing water and sewer improvements; work includes 12,000 ft. 6 and 8-in. c.l. water mains, valves, hydrants, 7000 ft. gal. pipe lines; elevated steel tank; 20,000 ft. 6, 8, 10 and 12-in. sewers with manholes and flush tanks; The Harwood Beebe Co., Engrs., Spartanburg, S. C.

**Water Softening Plant.**—U. S. Vet. Bureau, Const. Div., Arlington Bldg., Washington, D. C.—Bids Apr. 10 for water softening plant, for U. S. V. H., North Little Rock, Ark.

**Water System.**—U. S. Property and Disbursing Officer, New Orleans, La.—Bids Mar. 26 for repairs to water system, Camp Beauregard.

**State Highway Dept., G. A. Draper, Engr., Jackson, Miss.**—Bids Mar. 26 for following:

- (1) Cement—370 bbls.
- (2) Lumber—106,555 ft. B. M. creosoted
- (3) Piling—5,312 lin. ft. creosoted
- (4) Steel—24,115 lbs. reinforcing.

**Norfolk & Western Ry. Co., Clyde Cooke, Purch. Agt., N. & W. Ry. Bldg., Roanoke, Va.**—Bids Mar. 28 for following:

- (1) Coal—186,000 tons, more or less
- (2) Side Frames—10 cast steel
- (3) Wheels—100 wrought steel
- (4) Electrical Equipment—requirements for one year on certain renewal parts.
- (5) Locomotive Steel Tires—requirements from Apr. 1 to June 30
- (6) Brake Shoes—requirements from Apr. 1 to June 30
- (7) Wrought Steel Pipe—requirements from Apr. 1 to June 30.

#### Heating Equipment.

The American Radiator Company, Baltimore, manufacturing heating equipment, has opened a showroom and office at 318 North Howard street for display of its new Red Jacket boilers and other new products, Corto radiators, Arco gas tanks, Vectos and specialties.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

#### York Ice Machinery Installations.

The York Ice Machinery Corporation, York, Pa., made 103 sales and installations of their ice-making and refrigerating machinery throughout the country during the period from January 31 to February 29, including 34 at various places in the South, as follows: Tallahassee, Ala.; Magnolia and Smackover, Ark.; Washington, D. C.; Eustis, Orlando, Palm Beach, Panama City and Sebring, Fla.; Atlanta, Augusta, Baxley, Gracewood and Valdosta, Ga.; Covington and Weeksbury, Ky.; Baltimore, Md.; Laurel, Miss.; Columbia, Kansas City and St. Louis, Mo.; Greenville, N. C.; Blackwell, Okla.; Johnson City and Kingsport, Tenn.; Abilene and San Antonio, Texas; Appalachia, Bristol, Colonial Beach, Richmond and Wachapreague, Va., and Stanford, W. Va. Two installations were made at San Antonio.

#### Wiley & Wilson Open Branch Office.

In addition to their principal office at Lynchburg, Va., which they have maintained more than 25 years, Wiley & Wilson, consulting engineers, have opened a branch office at Richmond under the management of G. A. Peple, Jr., a registered engineer in both mechanical and electrical fields. The Richmond office is in the American National Bank Building, and is designed to extend prompt and efficient engineering service to Eastern and Southern territory. Wiley & Wilson have an extensive practice in the South, specializing in the planning and supervision of steam and electric-power plant work, heating and ventilating equipments and mechanical and electrical equipments for public and private institutions and buildings.

#### New Prest-O-Weld Outfits.

Especially to meet the demand of automobile repair shops and sheet metal shops for low-priced assemblies, three Prest-O-Weld welding outfits have been placed on the market by the Oxweld Acetylene Company, 30 East 42d street, New York city. They are designated as Type W-101-A auto repair outfit, Type W-102-A general purpose outfit and Type W-102-B welding outfit, respectively. These outfits are made possible by the addition to the Prest-O-Weld line of two small, two-gauge regulators, Types R-106 and R-107, and two special blowpipe tips, one for heating and brazing and one for radiator soldering. By the addition of a cutting attachment either of these outfits may be used for cutting wrought iron or steel.

#### Empire Steel Corporation Formed.

Expansion of service to its clientele and constructive development are planned and anticipated by the Empire Steel Corporation, Mansfield, Ohio, through the combination under that name of the Ashtabula Steel Sheet Company, Ashtabula, Ohio; Empire Steel Company, Cleveland, Ohio; Mansfield Sheet and Tin Plate Company, Mansfield, Ohio, and the Falcon Steel Company, Thomas Sheet Steel Company and the Waddell Steel Company, all of Niles, Ohio. The Empire Steel Corporation, through its subsidiaries, which will operate as one unit, is manufacturer of Empire Quality Products.

#### To Sell \$1,000,000 Plant.

The Standard Soapstone Corporation, 341 Madison avenue, New York city, offers for sale its industrial plant, valued by it at \$1,000,000, at Arlington, Va., the property including land, buildings, machinery, equipment, materials and supplies, to be sold as a whole or in separate lots. The property includes 1647 acres, including mineral, timber and farm land, while the main building is of structural steel; also, there are 37 other plant buildings and 50 dwellings. In the offering are mill machinery, gang saws, locomotives and cars, contractor's equipment, motors and generators, transformers, derricks and hoists, quarry machinery, engines and boilers, pumps, pipe and fittings, shafting; machine, structural and tool steel; wire, lumber and hardware and household equipment. The plant was built in 1925 and operated till March, 1927. Catalogues may be obtained from the corporation's New York office.

#### Allis-Chalmers Buys Monarch Tractor.

Addition of another important industrial unit to the Allis-Chalmers Manufacturing Company has been made through purchase of the Monarch Tractor Corporation of Springfield, Ill., regarded as one of the leading makers of tractors. This purchase marks the entry of the Allis-Chalmers Company into the industrial factor field, and also it proposes to double its output of farm tractors, the manufacture of which it began several years ago. The Monarch tractor specializes on the crawler type and holds valuable license rights thereon.

#### Changes In Sales Force.

Transfer of Norman W. Foy from the sales office at Boston, Mass., of the Republic Iron and Steel Company of Youngstown, Ohio, to the position of district sales manager at Birmingham, Ala., is announced by W. B. Toppling, general manager of sales. E. M. Barnes, district sales manager, has been named as manager of pig-iron sales, with headquarters at Birmingham. The Boston office will be continued as a branch of the New York sales office, which is in charge of W.H.Oliver.

#### Minor Fire at Hercules Plant Not Retarding Production.

On March 7 a frame auxiliary building adjoining the Hercules Motors Corporation, in Canton, Ohio, was destroyed by fire. The loss was minor, and operations in the main building, which is of modern fireproof construction, have not been interrupted, nor has production been retarded. An announcement from the company states that there was no serious loss.

#### Steel Contract to J. E. Moss Iron Co.

Contracts for steel to be used in construction of the new Steubenville plant of the Wheeling Steel Corporation have been awarded to the J. E. Moss Iron Company of Wheeling, W. Va., which will supply approximately 4000 tons of structural steel. The amount involved is said to be about \$150,000.



## Examine Your Time-Honored Practices

Every business enterprise that exists long enough acquires its various traditions. Whether or not they are worthy depends on the management.

Good management looks into the traditions of its organization, especially at budget-making time, and seeks to weed out those that are undesirable and thereby gain something in resources for perpetuating and strengthening those that are worth while.

The preparation and use of a well-ordered budget dictate that expenditures must be governed, not by precedent, but by necessity as indicated and explained by the aims and month to month operations of the business.

Effective *budget control* is based on Modern Accountancy and is a means through which Modern Accountancy serves the creative talents of management with the stimulus and dependable counsel of *timely* and *exact* knowledge.

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DENVER  
SAN FRANCISCO  
LOS ANGELES

### "The Tenth Generation."

The Atlanta Journal pays exceptionally high tribute to Harry Stillwell Edwards' remarkable story, "The Tenth Generation." When that story first appeared, the Journal gave a long editorial to it, and since it has been put in pamphlet form the Journal returns to the subject, and says:

"One of the most potent stories ever written by Harry Stillwell Edwards, and one of the most beautiful, is 'The Tenth Generation,' published in a recent issue of the MANUFACTURERS RECORD, and now impressing a host of thoughtful readers, particularly educators and philanthropists. If it appear singular that the medium for so rare a product of the human spirit should be an industrial magazine, be it noted that the editor thereof, Richard Hathaway Edmonds, is himself possessed of rare insight and that his publication is building for a South great in riches of mind and heart as well as in things material.

"To a wise old lawyer came a man of great affairs, and began, 'I am at a loss, Colonel, just how to introduce my subject, but for an opening I might say that I have an heir coming, ten generations away, and I'd like to devise some plan to protect him financially; together with his forbears back to my six-year-old son. Can it be done?' A playful but appealing smile accompanied the odd question. 'Sounds a little foolish, I'm afraid.'

"How the capitalist and the counselor worked that problem out, how the former's millions were so disposed as to help multitudes in protecting one, and to bless the present in providing for the future, is the theme of this remarkable story. Only profound sympathy, which is prophetic vision, joined to a genius for narrative and a keen sense of drama, could have written 'The Tenth Generation.' Many will relish its charm of fancy; but the most deeply impressed will be those whose minds and hearts have heard the high challenge of its fact—those whose concern is for the endowment of youth and the laying up of treasure that will not perish.

"Most interesting is the comment of educators who have read this story. Chancellor Kirkland, of Vanderbilt, declares: 'It is a convincing argument for every kind of activity which promotes public welfare and the development of personal character. The lesson is that in the present generation is wrapped up the whole future of humanity. The life of today is not a fruit to enjoy, but a seed. If we can only plant a good seed and eliminate the tares, the next harvest will take care of itself.' Dr. William F. Quillan, president of Wesleyan, at Macon, writes: 'I regard this as one of the most unique and powerful appeals for the better support of our colleges and universities that it has been my privilege to read.' Dr. Horace D. Taft, head of the widely known Taft school at Watertown, Conn., says: 'Very striking! The imagination shown in it will wake people up, and certainly we need it.' The former chancellor of MacMaster University, of Canada, Dr. O. C. S. Wallace, is of the opinion that Mr. Edwards 'has written nothing more fascinating or with greater potentialities for usefulness.'

"No less meaningful than the views of the educators, and in some respects more so, is the generous interest of the MANUFACTURERS RECORD itself: 'We believe we are rendering a distinct service to the country,' it remarks editorially, 'in giving this unusual presentation of the responsibility of men of wealth, or for that matter of all men who in one way or another contribute to the training and education of the rising generation and to all that are to succeed them.' That a great magazine of industry should devote itself to such a truth is significant of the dawning of a new era. In publishing the rare story and in making it available in pamphlet form at a nominal price, the MANUFACTURERS RECORD has done a golden turn, on which it, as well as the author, is heartily to be congratulated."

### Public Utility Earnings Increase.

Gross earnings of public utility enterprises in January, exclusive of telephone and telegraph companies, as reported to the Department of Commerce by 95 companies or systems operating gas, electric light, heat, power, traction and water services and comprising practically all of the important organizations in the United States, were \$195,535,000, as compared with \$193,000,000 in December, 1927, and \$191,701,022 in January, 1927.

### 15-Story Chattanooga Office Building Planned.

Chattanooga, Tenn.—J. B. Pound is negotiating with outside interests for the erection of a 15-story office building at Market and Eleventh streets to represent an investment of more than \$2,000,000.

### \$600,000 Baltimore Apartment Building Planned.

Plans have been prepared by Frederic A. Fletcher and contract awarded to the Consolidated Engineering Company, both of Baltimore, for a \$600,000 apartment building at 33d and St. Paul streets, Baltimore, for the 3301 St. Paul Street Corporation. The building will be 115 by 110 feet, 8 stories, of Georgian architecture, reinforced concrete and brick and slag roof, to contain 94 apartments.

### Site Selected for \$500,000 Pharmacy Building.

The site committee of the American Pharmaceutical Association, Dr. H. A. B. Dunning, Baltimore, chairman, has selected a site on B street, between Twenty-second and Twenty-third streets northwest, Washington, D. C., for a \$500,000 headquarters building. The committee on plans, of which Dr. Dunning is also chairman, will now take up details of general requirements and arrangements for the structure, after which an architect will be engaged, who will co-operate with the Fine Arts Commission in the design and construction of the building. Dr. E. F. Kelley, Baltimore, is general secretary of the Association.

### Profitable Florida Strawberry Crop.

Four hundred and fifty thousand dollars for their first 1,000,000 quarts of strawberries in this season was paid to the growers of the East Hillsborough section of Florida, near Plant City. Forecasts by experts indicate a total crop of 2,000,000 quarts, which they expect to produce \$750,000 in cash returns. While the volume of shipments is described as somewhat below the totals of some previous years, the prices have ranged well above the average of prices in the past. The largest one-day shipment ran to 99,000 quarts, or 20 carloads. From 50 to 75 buyers remain through the season, which runs from December to April.

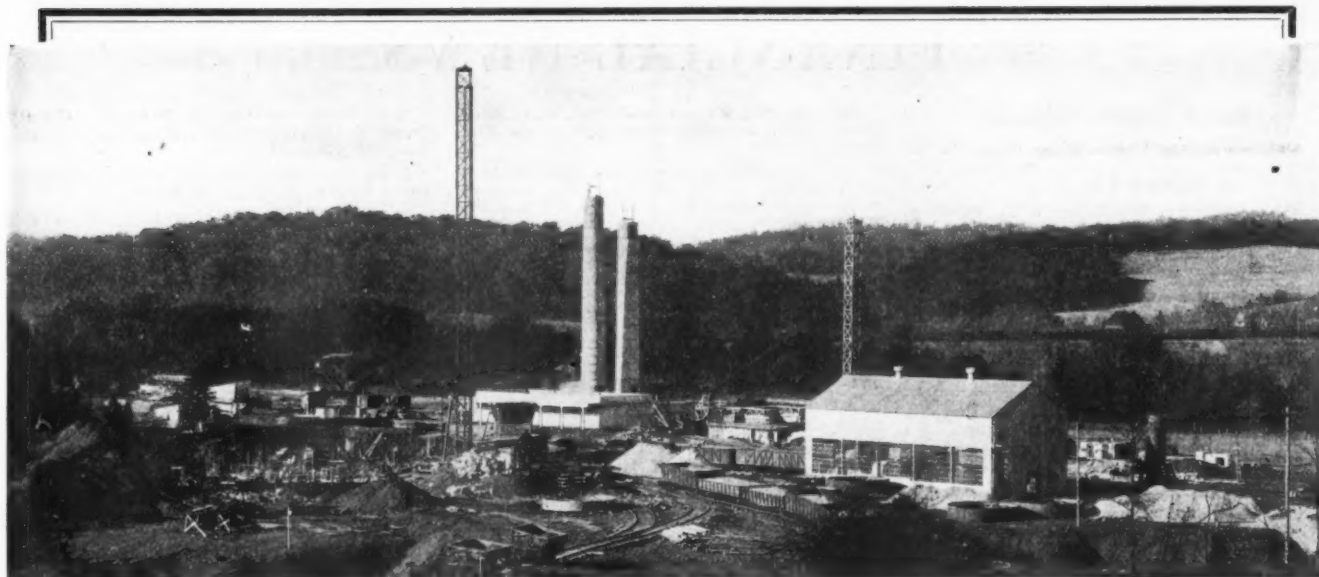
### Copper Possibilities in Texas.

Austin, Texas, March 17—[Special.]—An effort may be made to develop vast surface deposits of copper ore described as located in a group of counties south and west of Wichita Falls, according to L. N. Plancott of Philadelphia, mining engineer, who has recently completed a survey of the copper-bearing area. The area includes Hardeman, Foard, Knox, Baylor, Archer, King, Stonewall and Throckmorton counties.

Little seems yet to be known of this great, natural wealth. The copper field has been penetrated by railroads, but nothing has been done toward utilizing the ores. The copper is in the form of small nuggets, scattered through the soil almost to the top of the surface, and from time to time washed into gulleys and beds of streams that are dry at times. They are found in great piles, which enables them to be loaded into wagons and shipped to smelters without much cost. General George B. McClellan years ago said that the ores "will average 20 per cent copper, and some of them run as high as 80 per cent copper, and the quality of the ores should become better as the excavations extend into the mass of the deposits."

\* Railroads have been built in the area and fuel in large quantity is obtainable; not only is natural gas available for smelting the ore, but also the deposits are adjacent to producing oil fields.





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Knoxville, Tennessee

# FINANCIAL NEWS

## Bond Issues Proposed

Alabama—Highway—State Bond Comm., Montgomery, reported, plans receiving bids in April for \$5,000,000 bonds. 3-1

Ala., Dothan—Stadium—City, reported, voted \$50,000 bonds. 1-26

Ala., Fairfield—School—City, reported, voted \$150,000 bonds. 2-2

Ala., Mobile—Sewer, Water—S. H. Hendrix, City Clk., reported, contemplates \$600,000 bond issue.

Ark., Conway—W. M. Harper, Faulkner County Judge, reported, plans selling \$21,068 bonds.

Fla., Bonifay—Water, Sewer—City, reported, votes Apr. 3 on \$50,000 bonds. 2-2

Fla., Daytona Beach—Paving—City Commissioners, reported, plan selling improvement bonds.

Fla., Miami Beach—Boardwalk—City, C. W. Tomlinson, Clk., defeated \$300,000 bonds. 2-9

Fla., Stuart—Road—Martin County, reported, defeated \$385,000 bond issue. 2-16

Ky., Eddyville—Road—Lyon County, P. W. Marshall, Clk., reported, votes Apr. 18 on \$200,000 bonds.

Louisiana—Road—Louisiana Highway Comm., Baton Rouge, interested in \$50,000,000 to \$60,000,000 bond issue.

La., Alexandria—Road—Rapides Parish, Ward 4, reported, considering \$100,000 bond election.

La., DeQuincy—M. M. Smith, Town Clk., reported receives bids April 10 for \$60,000 \$1000 denom. not to exceed 6% paving bonds. 3-1

La., Haynesville—Haynesville Ind. School Dist., reported, voted \$250,000 bonds.

La., Leesville—Vernon Parish Police Jury, Aaron B. Cavanaugh, Sec., reported, receives bids April 2 for \$30,000 6% subroad Dist. 1 bonds.

La., New Orleans—Paving—City, reported, receives bids Apr. 9 for \$2,017,000 bonds and notes.

La., Vinton—Drainage—Board of Comms., Gravity Drainage Dist. 2, Calcasieu Parish, M. J. Kaufman, Sec., reported, receives bids April 23 for \$40,000, 6%, \$500 denom. bonds.

Md., Kensington—Underpass, Indebtedness—Montgomery County Comms., Rockville, reported, plan issuing \$60,000 6% certificates.

Md., Rockville—School—Montgomery County Bd. of Education, reported, requested County Comms. to issue \$150,000 bonds, authorized by last General Assembly of Md.

Miss., Ashland—Road—Benton County, reported, votes Mar. 28 on \$12,000 Fourth Supvs. Dist. bonds.

Miss., Bay Springs—School—Jasper County, reported, voted \$75,000 bonds. 2-16

Miss., Gulfport—Drainage—Warren Jackson, Sec., Bayou Bernard Drainage Dist., reported, postponed sale of \$300,000, Dist. bonds for 6 months. Lately noted bids Mar. 19. 3-8

Miss., Kosciusko—Road—Attala County, reported, voted \$41,000 Beat Four bonds. 2-23

Miss., Waynesboro—Chamber of Commerce, reported, considering \$100,000, 20-year bond issue to donate to cotton factory, canning factory, etc., as inducement to locate here.

Miss., Purvis—School—City, reported, votes Apr. 16 on bonds.

Miss., Union—School—Town, reported, votes Mar. 30 on \$40,000 bonds.

Miss., Yazoo City—School—City, reported, votes Mar. 31 on \$30,000 bonds.

Mo., Brookfield—Road—Town, reported, voted \$160,000 bonds.

Mo., Carthage—Hospital—City, C. W. Thomas, Mayor, reported, votes Apr. 3 on \$75,000 bonds.

Mo., Fair Grove—School—Town, reported, votes in about 2 weeks on \$30,000 bonds; recently defeated \$20,000 bond issue.

Mo., Marshall—Light Plant—City, reported, voted, \$80,000 bonds. 3-1

Mo., Perryville—Water—City, reported, votes Apr. 17 on \$120,000 bonds.

Mo., Jefferson City—School Bd., reported, considering \$178,500 bond issue.

Mo., Poplar Bluff—School—City, reported, votes April 3 on \$60,000 bonds.

Mo., St. Charles—Sewer—City, H. G. Bloebaum, Clk., reported, votes Apr. 3 on \$50,000 bonds.

N. C., Lincolnton—Funding—Lincoln County Comms., R. E. Sigmon, Clk., reported, receive bids Apr. 2 for \$224,000 4 3/4 % \$1000 denom. bonds.

N. C., Mount Airy—School—Town, reported, votes April 17 on \$50,000 bonds.

N. C., Pittsboro—Water—Town, E. A. Farrell, Mayor, reported, votes May 1 on \$50,000 bonds. 3-15

N. C., Wilmington—New Hanover County Comms., J. A. Orrell, Auditor, reported, may sell \$107,000 bonds about May 1.

N. C., Winston-Salem—Tuberculosis Hospital—Forsyth County Comms., reported, may call \$250,000 bond election.

Okla., Muskogee—City, Paul Williams, Mayor, reported, votes in Apr. on \$45,000 road, \$15,000 park and \$50,000 school bonds, including \$30,000 Honor Heights School. 3-15

Okla., Rush Springs—Water—City, reported, voted \$30,000 bonds.

S. C., Aiken—Road—Aiken County, reported, plans selling bonds.

S. C., Columbia—Coastal Highway Comms., Wade Stackhouse, Chmn., Dillon, reported, will offer at public sale, Mar. 27, \$1,500,000, 4 1/2 % Coastal Highway bonds. 2-23

Tenn., Dayton—School—Rhea County, reported, voted \$25,000 bonds.

Tenn., Jackson—School—City, reported, votes soon on \$250,000 bonds.

Tenn., Memphis—City, reported, receives bids Mar. 27 for \$1,000,000 bonds.

Tenn., Nashville—Bridge—State Funding Bd., Judge Albert Williams, State Commr. of Finance and Taxation, John F. Nolan, State Treas., reported, may receive bids Apr. or May, for \$2,000,000 bonds.

Tenn., Paris—Road—Henry County, reported, plans \$800,000 bond election.

Tenn., Selmer—Road—McNairy County, reported, votes March 27 on \$400,000 bonds.

Tex., Austin—School—A. N. McCallum, Supt. School Bd., reported, requested \$300,000 bond issue.

Tex., Bay City—City, reported, voted \$30,000 city hall and fire station bonds. 2-23

Tex., Beeville—Road—Bee County, reported, votes Apr. 21 on \$70,000 bonds.

Tex., Big Spring—Road—Howard County, reported, plans bond issue.

Tex., Center—Road—Shelby County, reported, votes Mar. 31 on \$175,000 5 1/2 % bonds.

Tex., Charlie—School—City, reported, votes soon on \$42,000 bonds.

Tex., Coleman—School—School Bd., reported, called election April 10 on \$38,000 bonds.

Tex., Cuero—School—City, reported, plans \$125,000 bond issue.

Tex., Edinburg—Donna Irrigation Dist., reported, petitioned Hidalgo County Comms. Court to call \$1,000,000 bond election for feeder roads.

Tex., Edinburg—Road—Hidalgo County Comms., reported, may call \$1,500,000 Dist. No. 5, bond election.

Tex., Floydada—Road—Floyd County, Wm. McGehee, Judge, reported, proposes \$600,000 bond issue.

Tex., Fort Worth—Improvement—O. E. Carr, Mayor, reported, receives bids Mar. 27 for \$1,000,000 bonds. 3-15

Tex., Graham—Reservoir—City, A. B. Edleman, Mayor, reported, votes Apr. 10 on \$225,000 bonds. 2-16

Tex., Greenville—City, reported, considering bond issue for auditorium, city hall, municipal building, fire station.

Tex., Groom—Water—City, reported, receives bids May 2 for \$35,000 6% bonds. 3-8

Tex., Karnes City—Road—Karnes County Comms. Court, reported, plans selling \$475,000 bonds.

Tex., Kaufman—Road—Kaufman County, reported, votes April 3 on \$30,000, 5% bonds.

Tex., Kenedy—School—City, reported, votes March 28 on \$25,000 bonds.

Tex., Liberty—Road, Bridge—Liberty County, reported, plans \$2,000,000 bond election.

Tex., Littlefield—City, reported, voted \$40,000 paving and \$10,000 water bonds. 2-16

Tex., Medina—School—Bandera County Comms. Court, Bandera, reported, considering \$20,000 bond issue.

Tex., Memphis—School—City, reported, voted \$80,000 Third Ward bonds.

Tex., Midland—School—City, B. Frank Haag, Mayor, reported, voted \$100,000 bonds. 3-1

Tex., Mt. Vernon—Mt. Vernon Independent School Dist., reported, votes soon on \$50,000 bonds.

Tex., Odessa—School—City, reported, considering \$150,000 bond election.

Tex., Post—School—City, reported, voted \$100,000 bonds.

Tex., Pyote—School—Town, reported, voted \$100,000 bonds.

Tex., Quitaque—Water—City, reported, votes Mar. 26 on \$66,000 bonds.

Tex., Rankin—School—City, reported, voted \$80,000 bonds.

Tex., Raymondville—Sewer—City, reported, votes Mar. 29 on \$25,000 bonds.

Tex., San Antonio—Bexar County may vote on \$500,000 bonds for tuberculosis hospital.

Tex., Sulphur Springs—Road—Hopkins County Comms. Court, reported, plans bond issue.

Tex., Terrell—Paving—City, J. P. Barnett, Sec., reported, votes Apr. 27 on \$75,000 bonds, recently reported vote Mar. 27. 3-1

Tex., Wheeler—Road—Wheeler County, reported, votes Apr. 21 on \$1,000,000 bonds. 3-1

Va., Radford—School—R. W. Arthur, City Mgr., receives bids Apr. 10 for \$45,000, 6%, bonds.

W. Va., Clarksburg—City, R. L. Osborne, Mgr., reported, votes May 15 on \$400,000 bonds.

W. Va., Lewisburg—School—Fort Spring Dist., Greenbrier County, reported, voted \$99,000 bonds; plans selling bonds. 2-23

W. Va., Middlebourne—Street—City, Henry Theiss, Mayor, reported, considering bond election.

W. Va., Ronceverte—School—Fort Spring Dist., reported, voted bonds.

## Bond Issues Sold

Ala., Columbiana—School—Shelby County Bd. of Education, reported, sold \$140,000 bonds to Rogers Caldwell & Co., Inc., New York.

Ala., Greenville—School—Butler County Bd. of Education, reported, sold \$80,000 bonds to First Nat'l Bank, Bank of Greenville, both Greenville, First Nat'l Bank, Montgomery.

Ala., Selma—Paving—T. J. Rowell, Mayor, reported, sold \$22,000 bonds to Ward, Sterne & Co., Brown-Marx Bldg., Birmingham.

Arkansas—State of Arkansas, reported, sold \$13,000,000 4 1/4 % highway bonds at 101.22 to syndicate composed of Halsey, Stuart & Co., Chicago, Ill.; Equitable Trust Co., Redmond & Co., B. J. Van Ingen & Co., National Park Bank, Howe, Snow & Co., Inc., R. W. Pressprich & Co., Pulley & Co., all New York; E. H. Rollins & Sons, Boston, Mass.; First National Co., Kaufman, Smith & Co., Inc., Stifel, Nicolaus & Co., Inc., all St. Louis. 3-1

Ark., Hot Springs—Street—F. J. Fowler, City Clk., reported, sold \$20,000 Dist. 112 bonds to Bankers Trust Co., 200 Main St., Little Rock.

Ark., Eureka Springs—Auditorium—City reported, sold \$55,000 bonds to M. W. Elkins & Co., Little Rock.

Ark., Rector—School—R. E. French, Mayor, sold \$43,000 5%, \$1000 denom. School Dist. 46 bonds to W. M. Elkins & Co., Little Rock, par and accrued interest. 3-15

Fla., Bartow—Road—Polk County Commissioners, reported, sold \$100,000 bonds to Brown-Crummer, Wichita, Kan.

Fla., Leesburg—W. E. Harkness, City Clk., reported, sold \$143,000 bonds to Wright, Warlow & Co., Orlando: \$125,000, 5.45%, refunding, \$121,637; \$18,000, 6%, paving, \$18,286. 3-8

Ky., Stanford—Road—Lincoln County, reported, sold \$125,000 4 1/4 % bonds to Caldwell & Co., Nashville, Tenn., \$3450 premium.

La., Crowley—Road—Acadia Parish Police

(Continued on page 96)



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# FINANCIAL NEWS

(Continued from page 94)

Jury, reported, sold \$40,000 5½% Road Dist. 7 bonds to Sutherlin, Barry & Cleaver, New Orleans, par. 2-16

La., Oakdale—Improvement—City, reported, sold \$80,000 5½% bonds to Rapides Bank and Trust Co., Alexandria. 2-23

La., Minden—Webster Parish School Bd., reported, sold \$70,000 bonds to City Savings Bank & Trust Co., Shreveport. 3-15

Mo., Normandy—School, etc.—Taussig, Day Fairbank & Co., Stix & Co., Moore & Co., Liberty Central Trust Co., all St. Louis, jointly, purchased \$342,000 4¼% Consolidated School Dist. bonds. 3-8

Md., Towson—Road—Baltimore County Commrs., John R. Haut, Chk., sold \$500,000, 4½%, \$1000 denom. bonds to Union Trust Co. and Jenkins, Whedbee & Poe, 107.5599 and accrued interest. 2-16

Miss., Brookhaven—Sewer—P. Z. Jones, Mayor, reported, sold \$15,000, 5% bonds to Bank of Commerce. 2-23

N. C., Lexington—Davidson County Commissioners, reported, sold \$30,000 5½% coupon Consolidated School Dist. 18 bonds to A. C. Allyn & Co., Chicago, Ill., \$1920 premium. 3-1

N. C., Shelby—School—Cleveland County Commrs., reported, sold \$25,000, 4½% bonds to Commercial Bank, High Point, \$300 premium. 3-1

Tenn., Nashville—Improvement—S. H. McKay, City Chk., reported, sold \$185,000 bonds to Caldwell & Co. and American National Co.; \$90,000, 4%, street, at par; \$95,000 4¼%, general, at \$15 premium. 2-16

Tex., Big Spring—Big Spring Independent School Dist., reported, sold \$150,000, 5% bonds, jointly, to Mercantile Trust and Savings Bank, Dallas, and Braun, Bosworth & Co., Toledo, Ohio, \$7,629 premium. 2-23

Tex., Buda—School—City, reported, sold \$30,000 bonds to Roger H. Evans Co., Dallas, \$30,783. 3-1

Tex., Corpus Christi—Navigation—Wm. R. Compton Co., St. Louis, reported, purchased \$1,500,000, 5% Dist. bonds. 2-23

Tex., Cuero—Road—DeWitt County Commissioners, reported, sold \$220,000 Dist. 7 bonds to H. D. Crosby & Co., San Antonio. 2-16

Tex., Littlefield—Improvement—City, reported, sold \$50,000 bonds to J. D. Simpson & Co., Dallas, and Thomas Investment Co., Plainview at 1020. 2-16

Tex., Midland—H. C. Burt & Co., Houston, reported, purchased \$100,000 4¼%, Midland Independent School Dist. bonds, 101.305. 2-16

Tex., Rankin—School—City, reported, sold \$80,000 bonds to C. Edgar Honnold, Oklahoma City. 2-9

Tex., Raymondville—Willacy County, reported, sold \$60,000 5% Lyford Independent School Dist. bonds to Kauffman, Smith & Co., Inc., St. Louis, Mo., \$900 premium. 2-9

Tex., Rusk—Road—Cherokee County, J. J. Bolton, Judge, reported, sold \$100,000 5% Rd. Dist. 1 bonds to W. L. Slayton & Co., Toledo, Ohio, par, accrued interest, \$3427 premium. 2-9

Tex., Sherman—School—City Comm., reported, sold \$130,000 bonds to Detroit Co., Detroit, Mich., \$7,858 premium and accrued interest. 2-9

Tex., Wellington—E. L. Winn, Sec., School Bd., reported, sold \$80,000, 5% bonds to Mercantile Trust & Savings Bank, Dallas, par, accrued interest, \$1,432 premium. 3-15

Tex., Weslaco—School—W. K. Perry & Co., Toledo, Ohio, reported, purchased \$120,000, 5% Weslaco Independent School bonds, par, accrued interest, \$6,503 premium. 3-15

## New Financial Corporations

Ala., Mobile—American National Bank of Mobile, applied for charter; S. A. Tonamiere, interested.

Ky., Louisville—Reynolds Investment Co., capital \$5,000,000, organized; Wm. F. Woodward; affiliated with Reynolds & Co., brokers, Starks Bldg.

La., New Orleans—Crescent Finance Co., Inc., capital \$30,000, chartered; St. Clair Cazayoux, 1402 N. Miro St.

La., Shreveport—Peyton Securities Co., Inc., 1881 Texas Ave., capital \$50,000, organized; A. P. Peyton, Pres. 3-15

Mo., Bloomfield—Bloomfield Bank and

Trust Co., capital \$100,000, organized; V. W. Moran, Pres.; C. A. Mosely, Vice Pres.; formed by merger of Bank of Bloomfield and Stoddard County Trust Co.

Mo., St. Louis—Cleveland Loan and Mortgage Co., capital \$50,000, incorporated; W. M. Haughen, Mayfair Hotel.

N. C., Lexington—Industrial Bank of Lexington, capital \$50,000, organized; J. V. Moffit, J. M. Gamewell, C. H. Tompson.

Okla., Prague—First State Bank, capital \$10,000, chartered; J. O. Meyer, George R. Sutton, L. P. Wilson.

Okla., Sparks—Farmers & Merchants Bank, chartered; D. W. and C. W. Collier, Grace Stockton.

Tenn., Nashville—Mutual Loan Bank, capital \$500,000, organized; Alton J. Johns, J. P. Harvill, Leo J. Flannigan.

Tex., Houston—Texas United States Bond & Mortgage Co., capital \$100,000, chartered; Col. Thomas H. Ball, Pres., Post-Dispatch Bldg.; Charles Purifoy, Gen. Mgr.; R. C. Burrow, Sec. 1-12

Tex., Lorena—Lorena National Bank, capital \$25,000, organized; O. C. Stanford, correspondent.

Tex., McAllen—First National Bank, capital \$60,000, chartered; J. A. Frisby, Pres.; B. R. Smith, Cashier.

Tex., Wichita Falls—Standard Securities Corp., capital \$10,000, chartered; G. L. Shepherd, Waggoner Bldg.

Bank of Jena, Ark., J. B. Wright, Pres., reported, plans increasing capital, \$15,000 to \$20,000.

Citizens & Southern National Bank, Mills B. Lane, Pres., Atlanta, Ga., reported, plans increasing capital, \$3,000,000 to \$4,000,000; plans organizing \$400,000 holding company, owned and controlled by bank stockholders; will acquire Atlantic Savings Bank and Atlantic Natl. Bank, Charleston, S. C.

## Trade Literature

**Silent Hoist Winches.**—The Silent Hoist Winch & Crane Company, Inc., Brooklyn, N. Y., describes in Bulletin No. 27 all the types of Silent Hoist vertical and horizontal capstan winches and single and double drum winches, self-contained units complete with electric motor and gasoline drive. The winches are supplied in a number of styles, each in several different sizes and with electric motor or gasoline engine drive of sufficient power for the lifting capacity and line speed desired. They are suitable for either portable or stationary use, as car pullers, barge movers and for general pulling and hoisting in and about industrial plants and for docks, wharves and ships.

**Municipal Refuse Incineration.**—The "United States Standard" Incinerator is described in a pamphlet issued by the Pittsburgh-Des Moines Steel Company, Pittsburgh, Pa., builders of municipal utilities. The "United States Standard" plants are fireproof and mechanically operated charging hoppers can be installed if specified, while the furnace is entirely independent of the building in every respect, and the grates have a smooth surface from which slag can be removed easily with a slice bar. A removable floor panel over each furnace gives full access to the furnace arch without removal of the concrete charging floor, and a hot water coil and storage tank permit the operators to keep the floors and trucks in sanitary condition. As the operation of an incinerator plant usually is entrusted to unskilled labor, the plant is made as simple and easy in operation as is possible.

**General Electric Catalogue.**—The General Electric Catalog, GEA-600, issued by the General Electric Company, Schenectady, N. Y., contains either actual or representative listings of its entire manufacture and is described as practically an index to the industry. This supersedes all previous catalogues, except 6002 and 604. Composed of over 1000 pages, the volume includes descriptions of a large number of appliances of many kinds, from air brake equipment through the alphabet to X-ray diffraction apparatus and yokes for pipe fittings. Also, operating tables are given for many articles, such as distribution transformers, together with advice regarding the placing of orders, tables of weights and measures and other interesting information.

**Knickerbocker Concrete Mixers.**—Concrete, mortar, plaster and mastic mixers and contractors' saw rigs are informatively described, with illuminating illustrations, in a brochure issued by the Knickerbocker Company, Jackson, Mich. Solution to the problem of meeting more rigid mixing requirements is provided by changes in drum and control, while the drum has been improved to meet latest and most exacting demands. The Knickerbocker system of accurate water control is shown, together with "trouble eliminators" in cable sheaves, trunnion rollers, clutches, machine-cut gears and other improved appliances. Endorsements by users of Knickerbocker products also are quoted.

**Special Cement.**—A folder showing the advantages claimed for the high alumina cement of the Atlas Lumnite Cement Company, Inc., 25 Broadway, New York City, has been issued by that company. Lumnite cement is said by the company to gain full strength in 24 hours, while the setting reaction liberates a sufficient quantity of heat to give complete cold weather protection. The properties of the material are discussed in the bulletin, which also gives directions for its use in cold weather and illustrates a number of jobs.

**First National Bank, St. Petersburg, Fla.**—The twenty-fifth anniversary of the opening of the First National Bank of St. Petersburg, Fla., is marked by the appearance of a brochure giving a compact history of the bank and its achievements, together with numerous illustrations. Officers of the bank are: Chairman, Dr. Louis A. Bize; president, R. J. McCutcheon, Jr.; vice-president, C. W. Springstead, and cashier, A. F. Miller, Jr.

**Silica Gel.**—The Silica Gel Corporation, Baltimore, issues an informative bulletin, "Drying and Purifying Compressed Gases," which describes the operation of a Silica Gel equipment, consisting of a silica gel trap, two pressure-type absorbers of suitable size and an activator. Estimates covering cost of equipment and of operation will be furnished by the company on receipt of certain data.

**Fireproof Construction.**—In a pamphlet, "The Key to Firesafe Homes," the Portland Cement Association advocates fireproof construction and describes types of concrete floors in particular. Fine illustrations show ribbed type of concrete floor construction, tile and joist type, solid slab type, and also gives views of homes having such installation.



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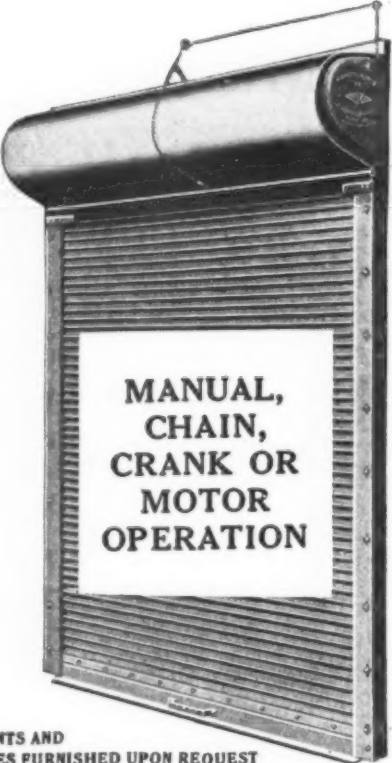
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*The Austin-International  
15-30 Motor Grader*



**MOTOR GRADERS  
that "stand the gaff"**

THESE graders are strong and substantial enough to play with the toughest jobs on the road. The Austin-International 15-30, the largest of three sizes, has the strength and power to cut to the bottom of the deepest ruts. Leaning front wheels prevent side slipping. The Western Motor Grader, an attachment for a two-ton Caterpillar Tractor, carries a 12-ft. blade with no lost motion in the control. The Austin-Western Line offers a complete range of motor graders. Ask for literature.

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MANUFACTURERS RECORD

Baltimore :-: Maryland



### Growth of Texas Textile Industry.

Austin, Texas, March 19—[Special.]—The history of the cotton textile industry in Texas can be divided into three phases, according to Rudolph Grossman, industrial engineer in the Bureau of Business Research of the University of Texas and cotton textile mill specialist. The first period, 1895 to 1907, saw the establishment of mills in Belton, Bonham, Brenham, Corsicana, Cuero, Dallas, Denison, Gonzales, Hillsboro, Itasca, Sherman, Waxahachie and West and their growth from practically nothing to slightly over 100,000 spindles. The second period extended from 1907 to 1920, and the third from 1920 to the present time.

"A great deal of respect and appreciation is due to these pioneers who laid the foundation of a great industry in a country thus far completely agricultural," Mr. Grossman said. "Home capital, Texas capital entirely, was back of these.

"The second period was marked as being of slower progress in the sense recognized most generally in this State. However, even in those thirteen years, the increase was 50 per cent. This is the time when Texas slowly became aware of its agricultural mastery and began to look to other possibilities for further development. Thus, the year 1920 opened the period of tremendous expansion which we all wish to see go on until Texas is known not only for the cotton it grows, but also for the fabric it manufactures.

"In these seven years, 1920 to 1928, many new mills have been built. The number of spindles has increased twice as fast as in the previous period, until today we have 26 mills with 265,642 spindles."

In regard to possibilities of cotton textile mills in Texas, Mr. Grossman said:

"Experience of existing mills has shown that Texas labor is as good as that of any other section in the country. It is plentiful, quick to learn and efficient. It is unaccustomed to industrial discipline, so that very much of the success of a new mill will depend on the ability of the manager to train his help. In existing mills only a very small number of minor executives, or overseers, have been imported, so there is a possibility that this element could be recruited largely within the State. Wages paid in Texas mills are well adapted to the cost of living.

"Labor laws can be said to be ideal in Texas in that they protect the worker from exploitation, yet meet the conditions which have proved their adequacy in most countries of the world.

"As to raw materials, most of the Texas cotton spins well up to 28's yarn; little of it beyond 36's. The location of the mill and the determination of its product can make it possible to use cotton grown locally, and economy will be gained by avoiding freight expense.

"Although little water power is available in Texas, there are other sources which make it possible to produce cheap electricity. The supply is at present plentiful and a further extension is projected.

"Texas today imports almost its entire requirement of cotton cloth. The demand of 5,500,000 inhabitants can certainly occupy more than 250,000 spindles. It should be considered, however, that most goods must be finished before they reach the dry goods dealer. If they have to go East for that purpose previous to reaching the Texas consumer, a handicap is imposed on the industry. Means to undertake that treatment in Texas should be studied.

"There is little doubt that Texas is favorably equipped for textile mills. However, it must be remembered that the field as a whole is already very well covered and that competition is very keen. It will, therefore, be necessary for a new concern to go to work very carefully in order to get full benefit from every possible advantage, however small."

City Council, Meridian, Miss., is considering ordinances providing a total of \$425,000 in bonds for municipal improvements, including \$200,000 for water-works extensions, for which an election may be held April 3.

### American Hotels Corporation Number.

Indication of the tremendous proportions and the refinement to which the hotel business in the United States has attained is seen in the American Hotels section of the National Hotel Review with which the calendar year was closed. The cover page is especially engaging, depicting an old English stage coach party and showing the American Hotels Corporation on the signboard of the ancient inn.

In the roster of hotels directed by the American Hotels Corporation are 27 houses, while 18 are named in affiliation with hotels of the United Hotels Company of America and six in Canada. A new hotel is to be opened in Corning, N. Y., and a capital full-page view of the Necho Allen at Pottsville, Pa., Everett Martin, manager, shows one of the recent additions.

Among the interesting and informative articles is "The Profitable Community Hotel," by Gen. J. Leslie Kincaid, president of the American Hotels Corporation, while "Hotels and Transportation" presents another interesting viewpoint. The issue, of nearly 100 pages, is filled with illustrations of the finest type, which attract and hold the attention. Pictures also are presented of Frank A. Dudley, president of the United Hotels Company of America and one of the founders of the American Hotels Corporation; E. J. Hockenbury, vice-president, American Hotels Corporation; Mr. Martin, manager of the Necho Allen and several other managers.

### Machine Farming Advances in the Delta.

Progress in machine farming in the Mississippi Delta is reported by Henry J. Davis, Clarksdale, Miss., who writes that H. H. Hopson recently sold four bales of machine-picked cotton at the same price at which larger lots of the same type of hand-picked cotton moved, and estimated that on the sale of machine-picked cotton he had saved about five cents a pound from hand picked. "This cotton," Mr. Davis says, "was ginned on Mr. Hopson's Gullett Gin Company outfit, equipped with regular Gullett cleaning machinery and a Lockey burr extractor; part of it was picked by the International Harvester Company's picker and part of it by the Berry picker, manufactured at Greenville, Miss."

Mr. Davis, who is the Delta representative of the Gullett Gin Company, Amite, La., adds that he found much progress had been made in machine farming in the flooded area, the land being broken by tractors "and much inquiry for cotton pickers and cleaners to replace such negro labor as has left."

### \$700,000 Hotel and Theater for Joplin.

Joplin, Mo.—The Joplin Building Corporation, Hadley Tatum of Joplin, and L. P. Larson, Chicago, interested, plans to erect a \$700,000 theater and hotel building. It will be 11 stories, of Spanish architecture, brick and terra cotta, to contain 180 hotel rooms, 10 shops, basement cafeteria and assembly hall. The theater will seat 1750. Plans are being prepared by Mr. Larson, who is president of the corporation. The hotel will be operated by the Remler-Gottschick Hotel Company, formed by Peter E. Remler of Carthage, Mo., and William Gottschick of Independence, Kan.

### \$750,000 Planned Hotel for San Angelo.

San Angelo, Texas.—The West Texas Lumber Company, B. B. Hall, president, will erect a 12-story 225-room hotel here of reinforced concrete, steel and brick, to cost \$750,000, including \$125,000 for furnishings and equipment and \$100,000 for site. Anton F. Korn, Dallas, is reported preparing plans. The hotel will be leased to the Hilton Hotel Company, Dallas, for 15 years.

## Mechanical Cotton Harvesters and Improved Ginning Machinery.

Mechanical harvesting of cotton is now a practical farm operation well established on farms in Northwestern Texas. After several years of trial and modification certain commercial interests have developed what appears to be a practical power cotton picker, according to the Department of Agriculture. Moreover, Texas farmers have devised the cotton sled or stripper. The sleds are commonly drawn by two horses and operated by one or two men. The two principal types of sleds used are the finger and the slot types. The stripping action is somewhat the same as that of stripping the leaves from a small branch of a tree by drawing it through the fingers of one's hand. Well-constructed home-made sleds often gather as much as 95 per cent of the cotton from the plants.

Improvements in ginning machinery have made it possible for the ginner to handle cotton harvested in this way. Sledged cotton usually contains a considerable quantity of trash and immature bolls which increase the ginning charges and lower the grade. However, under favorable harvesting conditions, sledged cotton frequently cannot be distinguished from snapped cotton after it is ginned. At present cleaners for farm use are being tried experimentally by several companies. With the perfection of such cleaning equipment, it is hoped the use of the cotton sled will be more extensive.

The labor-saving possibilities of such harvesting methods have led several manufacturers of farm machinery to experiment with different types of cotton-picking machines. Much progress has been made during the last year in the development of improved harvesters of the sled type. Nearly all of these harvesters use the slot idea, but the cotton is stripped

from the plants by revolving snapping rolls, or by lugs attached to endless chains. The snapping rolls are either twisted, perforated, or spiked to provide a rough surface for removing the cotton from the plants. The stripped cotton is either raked or conveyed from beneath the snapping rolls to a box in the rear, provision being made in some cases to screen out some of the dirt and trash. The endless-chain type, however, has no separate conveyors, as the stripper fingers convey the cotton to the box.

While the mechanical harvesting of cotton is not yet beyond the experimental stage, it is believed a good start has been made toward lessening the cost of harvesting cotton through the use of machinery, and that by next year much further progress will have been made.

## \$13,000,000 of Dairy Money.

Raleigh, N. C., March 17.—Records indicate that the dairy cow returned a cash income of nearly \$13,000,000 on commercial cream and milk during 1927 in North Carolina. The 19 creameries produced 2,475,300 pounds of butter, according to W. L. Clevenger, dairy manufacturing specialist at State College, an increase of 23 per cent over 1926. Butterfat at an average of 44 cents a pound paid \$816,860 to 10,400 farmers, and \$17,700 was paid to 110 farmers for 88,500 pounds of American cheese, a production increase of 13 per cent over the previous year. Ice cream plants paid \$150,000 for milk and \$428,350 for the butterfat for 2,500,000 gallons of ice cream, and \$1,500,000 was paid for the 5,000,000 gallons of milk from 1000 farms. Also about 1000 local dairymen retailed 20,000,000 gallons of raw milk in cities for \$10,000,000.



BOND ISSUES

# PROPOSALS

BUILDINGS

PAVING

GOOD ROADS



Bids close April 3, 1928.

**SEALED BIDS.** In triplicate, subject to the conditions contained herein, will be received until 11 A. M. April 3, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Construction of Buildings and Utilities, including roads, walks and drainage at U. S. Veterans' Hospital at Fargo, North Dakota. This work will include excavating, reinforced concrete construction, hollow tile, brick work, cast stone, marble work, floor and wall tile, linoleum, rubber tile, iron work, steel sash, iron stairs, with slate treads; fire escapes, metal and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumbwaiter, metal weather strips, insect screens, painting, glazing, hardware, plumbing, heating, including boiler-plant equipment; electrical work, electric elevator, refrigerating and ice-making equipment, radial brick chimney and outside sewer, water, steam and electric distribution systems. Separate bids will be received for electric elevator. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$25, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of the drawings and specifications within ten days after date of opening bids. FRANK T. HINES, DIRECTOR. March 1, 1928.

Bids close April 2, 1928.

Office of Constructing Quartermaster, Fort Bragg, N. C. Sealed proposals in triplicate will be received until 10 A. M., April 2, 1928, for the construction of two Field Artillery Battalion Barracks, six company officers' quarters, seven non-commissioned officers' quarters and all utilities. \$25 deposit required for drawings, etc. Further information on application.

Bids close April 26, 1928.

**TREASURY DEPARTMENT.** Bureau of Engraving and Printing, Washington, D. C. March 14, 1928.—Sealed proposals are invited to furnish this Bureau with postage-stamp paper and internal revenue paper during the fiscal year beginning July 1, 1928. Contracts will be made only with actual manufacturers of the paper. Proposals to be received not later than 2 P. M., April 26, 1928. Blank forms, with specifications for proposals, and further information will be furnished on application to A. W. HALL, Director.

Bids close April 10, 1928.

## \$45,000 School Bonds

Radford, Va.

Sealed bids will be received 1 P. M. April 10 for \$45,000 issue of school bonds not to exceed 6% interest. Right is reserved to reject any or all bids. Address City Manager.

Bids close March 30, 1928.

**U. S. ENGINEER OFFICE, HUNTINGTON, W. VA.**—Sealed proposals will be received until 11 A. M. March 30, 1928, and then opened, for constructing and delivering three steel barges. Further information on application.

Bids close April 2, 1928.

## \$325,000 5% Gold Bonds

Pensacola, Florida.

Sealed bids are invited until 2 o'clock P. M. on Monday, April 2, 1928, for all or any part of the following coupon bonds of the City of Pensacola, Florida, to wit:

\$100,000 Improvement Bonds, Issue of 1925, dated October 1, 1925, and maturing October 1, 1935.

\$225,000 Improvement Bonds, Issue of 1928, dated January 1, 1928, and maturing January 1, 1938.

Said bonds are of the denomination of One Thousand Dollars (\$1000) each and bear interest at the rate of five per cent (5%) per annum, payable semi-annually.

Bids must be on blank form furnished by the City of Pensacola.

Opinion of Messrs. Thomson, Wood & Hoffman, Attorneys at Law, of New York City on legality of said bonds will be furnished the purchaser.

For further particulars apply to the United States Mortgage & Trust Company, 55 Cedar Street, New York City, or T. C. Finch, Comptroller, City of Pensacola, Fla.

J. H. BAYLISS,  
Mayor and Commissioner  
of Finance and Revenue.

Attest:  
J. E. FRANKEL,  
City Clerk.



Bids close March 30, 1928.

### State Highway Construction

#### NOTICE TO CONTRACTORS.

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, Tenn., at 10 A. M. Friday, March 30, 1928, and opened publicly at that hour, for the construction of the following projects:

#### PROJECTS FOR LETTING ON MARCH 30, 1928.

Project No. 4-B, BEDFORD-MOORE COUNTIES—The widening with concrete of 12.260 miles of the present roadway of State Highway No. 16 between Shelbyville and the Coffee County line.

Project No. 18-A, FAYETTE COUNTY—The construction of 16.710 miles of pavement on State Highway No. 15 between the Shelby County line and Somerville. The grading and draining of this project has been completed under a former contract.

Project No. 19-A, HARDEMAN COUNTY—The construction of 13.670 miles of pavement on State Highway No. 15 between Bolivar and the Fayette County line. The grading and draining of this project has been completed under a former contract.

Project No. 19-B, FAYETTE COUNTY—The construction of 4.390 miles of pavement on State Highway No. 15 between the Harde-man County line and Laconia. The grading and draining of this project has been completed under a former contract.

Project No. 19-C, FAYETTE COUNTY—The construction of 6.580 miles of pavement on State Highway No. 15 between Laconia and Somerville. The grading and draining of this project has been completed under a former contract.

Project No. 23, COCKE COUNTY—The construction of 9.800 miles of pavement on State Highway No. 9 between a point 10 miles east of Newport and the North Carolina State line. The grading and draining of this project has been completed under a former contract.

Project No. 80-B, DAVIDSON COUNTY—The construction of a 110-foot concrete arch bridge and approaches on State Highway No. 24 over Mill Creek between Nashville and the Wilson County line.

Project No. 103-C, MARION COUNTY—The widening with concrete of 2.114 miles of the present roadway of State Highway No. 2 between junction of Highway No. 16 at Monteagle and a point east of Monteagle.

Project No. 137-B, MARION COUNTY—The widening with concrete of 9.247 miles of the present roadway of State Highway No. 2 and 27 between Kimball and Sequatchi.

Project No. 205, CHEATHAM COUNTY—The construction of 9.530 miles of pavement on State Highway No. 1 between the Davidson County line and the Dickson County line. The grading and draining of this project has been completed under a former contract.

Project No. 214-C, MADISON COUNTY—Grading and drainage of 2.724 miles of State Highway No. 5 between a point near Bemis and Jackson. Bids for five bridges over twenty-foot span will be received separately.

Project No. 217-A, SHELBY COUNTY—Grading and drainage of 9.977 miles of State Highway No. 4 between the Mississippi State line and Memphis. Bids for seven bridges over twenty-foot span will be received separately.

Project No. 218-A, SHELBY COUNTY—Grading and drainage of 4.638 miles of State Highway No. 14 between the Mississippi State line and a point near Raines Avenue. Bids for two bridges over twenty-foot span will be received separately.

Project No. 310-C, UNICOI COUNTY—The construction of 9.381 miles of pavement on State Highway No. 36 between Erwin and the Carter County line. The grading and draining of this project has been completed under a former contract.

Project No. 328-C, BLOUNT COUNTY—The construction of a 240-foot concrete-deck girder bridge over Abrams Creek on State Highway No. 72 between State Highway No. 64 and Calderwood.

Project No. 377-A, LAKE COUNTY—Grading and drainage of 10.309 miles of State Highway No. 79 between the Mississippi River and State Highway No. 78 near Ridgely. Bid for eleven bridges over 20-foot span will be received separately.

Project No. 378-A, CROCKETT COUNTY—Grading and drainage of 5.400 miles of State Highway No. 54 between Alamo and the Gibson County line. Bids for four bridges over 20-foot span will be received separately

from the roadway section, with four bridges over 20-foot span on Project No. 378-B.

Project No. 378-B, GIBSON COUNTY—Grading and drainage of 10.189 miles of State Highway No. 54 between the Crockett County line and Trenton. Bids for four bridges over 20-foot span will be received separately from the roadway section, with four bridges over 20-foot span on Project No. 378-A.

Project No. 379-A-B, KNOX-SEVIER COUNTIES—Grading and drainage of 6.298 miles of State Highway No. 9 between a point near Straw Plains and the Jefferson County line. Bids for one bridge over 20-foot span will be included with the roadway contract.

Project No. 381-A, DAVIDSON COUNTY—Grading, drainage and construction of 6.668 miles of pavement on State Highway No. 6, between the Williamson County line and Nashville.

Project No. 381-B, WILLIAMSON COUNTY—Grading, drainage and construction of 8.923 miles of pavement on State Highway No. 6 between Franklin and the Davidson County line.

Project No. 382-A, ROBERTSON COUNTY—Construction of a 280-foot concrete and steel bridge on State Highway No. 11 over Red River between Adams and the Kentucky State line.

Bidder's bond, on the form furnished with the proposal from a surety acceptable to this Department, or certified check, made payable to this Department, in the amount of not less than 5 per cent (5%) of the total bid, must accompany the bid as evidence of good faith and as guarantee that if awarded contract the bidder will execute contract and give bond as required.

Plans will be furnished at cost, with no refund. Standard Specifications are furnished at a charge of \$1, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY, Commissioner.

Bids close April 5, 1928.

### Virginia Highway Work

Richmond, Virginia.

The Commission will receive bids on:

Proj.	Length	Type
F221EC	5.8 Mi.	Concrete.
F296A	6.2 Mi.	Concrete.
F415AB	8.4 Mi.	Rock Asphalt.
F520B4C	7.3 Mi.	Rock Asphalt.

Details obtainable on request.

Bids close April 12, 1928.

### Street Paving

Franklin, Ky.

Sealed bids for Street Paving Improvements at Franklin, Kentucky, will be received by the Board of Council at the office of the Mayor until 1.30 P. M. April 12, 1928, at which time they will be publicly opened and read.

The work comprises grading, constructing concrete curb and gutters, resurfacing the existing macadam pavement for a foundation, constructing new macadam foundation where necessary and surfacing this foundation with Rock Asphalt mined in Kentucky.

Approximate quantities of principal items:

17,275 sq. yds. surface.  
10,820 lin. ft. concrete curb and gutter.  
1,350 lin. ft. concrete curb and 5-foot gutter.

5,700 cu. yds. roadway excavation.

7,000 tons crushed rock rolled in place.

Plans and specifications may be examined at the office of the City Clerk at Franklin or at the office of the City Engineer, or a copy may be obtained from the Engineer upon receipt of a deposit of ten dollars, of which amount five dollars will be refunded when the plans and specifications are returned in good condition.

The right is reserved to reject any or all bids and to waive informalities.

Each bid must be accompanied by a certified check, drawn on a responsible bank or trust company, and made payable to the City Treasurer, City of Franklin, Ky., for a sum not less than 1% of the bid. The successful bidder will be required to furnish performance bond and a five-year maintenance bond in the sum of 100% of the contract price.

The contractor will be paid in cash on the completion of the work for that part of the work for which the city is liable; he will be paid in cash or bonds for the abutting property owners' part, as set out in the improvement ordinance.

For further information address  
H. S. JACKSON, City Engineer,  
Franklin, Ky.

Bids close April 3, 1928.

### State Highway

#### DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION

#### NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building nine sections of State Highway as follows:

Washington County, Cont. W-53—One section of State Highway from Gapland toward Weaverton for a distance of 1.96 miles. (Concrete.)

Montgomery County, Cont. M-93—One section of State Highway along Carroll Avenue, in Takoma Park, a distance of 1.11 miles. (Concrete.)

Baltimore City, Cont. BC-74—One section of State Highway along the Harford Road, between Glenmore Avenue and Richmond Avenue, a distance of 0.5 mile. (Sheet Asphalt.)

Kent County, Cont. K-32—One section of State Highway through Betterton, a distance of 1.16 miles. (Concrete.)

Caroline and Dorchester Counties, Cont. Co-46 and D-47—One section of State Highway, between Hynson and Federalsburg, for a distance of 2.17 miles. (Concrete.)

Wicomico County, Cont. W1-40—One section of State Highway, between Hebron and Quantico, for a distance of 2.5 miles. (Concrete.)

Washington County, Cont. W-1-B—One section of State Highway along the National Pike from Hancock west for a distance of 4.5 miles. (Concrete Shoulders.)

Harford County, Cont. H-3-C—One section of State Highway along the Conowing Road from McCann's Corner to Hopkins Corner for a distance of 3.97 miles. (Concrete Shoulders.)

Prince George's County, Cont. P-1-A—One section of State Highway, between Meadows and Upper Marlboro, for a distance of 5.76 miles. (Concrete Shoulders.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Md., until 12 M. on the third day of April, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 15th day of March, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close April 3, 1928.

### Water Works and Sewer Improvements

Cowpens, S. C.

Sealed proposals will be received by the Sewer Commission and Commissioners of Public Works of Cowpens, S. C., until 2 o'clock P. M. April 3, 1928, for furnishing material and constructing water works and sewer improvements. The work includes approximately 12,000 feet of 6-inch and 8-inch cast-iron water mains, with valves and hydrants; 7000 feet of galvanized pipe lines, one elevated steel tank, 20,000 feet of 6-inch, 8-inch, 10-inch and 12-inch sewers, with manholes and flush tanks, and two septic tanks.

Each proposal must be accompanied by a cashier's check for five per cent of the amount of the bid, payable to Treasurer of Town of Cowpens, S. C., as bidder's guarantee. The town reserves right to reject any and all bids.

Plans and specifications may be seen at the Clerk's office in Cowpens and at the office of the Engineers. Specifications will be mailed on request.

C. M. SIMS, Clerk.

THE HARWOOD BEEBE CO.,  
Engineers,  
Spartanburg, S. C.

Bids close April 3, 1928.

**Cleaning Water Main**

Macon, Miss.  
Notice is hereby given that the Mayor and Board of Aldermen of City of Macon, Miss., will, at their next regular meeting to be held on April 3, 1928, 7.30 P. M., receive bids for the following:

Cleaning one and one-half miles of six-inch water main. Contractor to furnish material, labor, equipment and superintendency. Also bids for contractor to furnish equipment and superintendency for cleaning said 6-inch water main.

Board reserves the right to reject any and all bids.

Done by order of Mayor and Board of Aldermen of City of Macon, Miss., this 7th day of March, 1928.

MARY B. SCOTT, Clerk.

Bids close April 16, 1928.

**High School Building**

Martinsburg, W. Va.  
Board of Education will open bids at 2 o'clock April 16 for complete furnishings for a \$275,000 High School Building. Specifications can be secured from Frampton & Bowers, Architects, 412-14 Eleventh Street, Huntington, West Virginia.

Bids close April 3, 1928.

**Sewage Disposal Plant**

Amarillo, Texas, March 13, 1928.  
The City of Amarillo, Texas, will receive bids, which will be filed with the City Manager on or before 7 P. M. o'clock on the 3d day of April, 1928, for furnishing of labor and material for constructing a sewage disposal plant in accordance with the plans and specifications on file in the office of the City Engineer of Amarillo, Texas, and of the Consulting Engineer, Wynkoop Kierstedt, 614 Interstate Building, Kansas City, Missouri, and which are available on deposit of Twenty-five Dollars (\$25) for each set of plans and specifications. Said deposit will be refunded upon the return of the plans and specifications.

A certified check in the amount of Eight Thousand Dollars (\$8000), made payable to the City Secretary of Amarillo, Texas, shall accompany each bid.

The City Commission of Amarillo, Texas, does not bind itself to accept the lowest or any bid offered, and reserves the right to reject any and all bids and to accept any bid which it regards to be to the best interests of the city.

JEFF D. BARTLETT,  
City Manager.

Bids close March 27, 1928.

**Water Filtration Plant****LEGAL NOTICE**

Bowling Green, Ky., Feb. 29, 1928.  
Sealed proposals for the construction of a water filtration and softening plant and appurtenances, including buildings, filter equipment, traveling water screen, motor-driven pumps, pipe lines and elevated water tank, will be received at the office of the City Clerk, City Hall, Bowling Green, Kentucky, until 12 o'clock noon, Central Standard Time, on the 27th day of March, 1928, and will then be opened and read publicly.

Official Proposal Blanks, Instructions to Bidders, Specifications, Form of Contract and Bond may be seen at the office of the City Clerk, Bowling Green, Kentucky, or one copy of plans and specifications may be obtained by bona fide bidders upon application to The J. N. Chester Engineers, 1111 Union Bank Building, Pittsburgh, Pa., on deposit of Twenty-five Dollars (\$25), which amount will be refunded to bidders on receipt of a bona fide bid and the return of the plans. Contractors who take out plans and specifications and do not make a bona fide bid on the work will be charged Fifteen Dollars (\$15) for plans and specifications and the balance of the deposit, or \$10, will be returned to them upon the return of the plans and specifications in good condition within twenty (20) days after the date of reception of bids. Fifteen Dollars (\$15) will be deducted from deposit of bona fide bidders who require an extra copy of plans and specifications.

The right is reserved to reject any or all bids or to accept any bid which the city deems to its best interests.

J. Q. KIRBY, City Clerk.  
THE J. N. CHESTER ENGINEERS  
Union Bank Building,  
Pittsburgh, Pa.

Bids close April 18, 1928.

**Notice to Bidders**

Dover, Del.

Sealed proposals will be received by the State Highway Department at its office, Dover, Delaware, until 2.30 o'clock p.m., April 18, 1928, and at that place and time publicly opened for contracts involving the following approximate quantities:

**CONTRACT N**

1 One-Man Motor Grader with Crawler Treads, 8-foot Blade.

**CONTRACT O**

38 State Highway Police Uniforms.

**CONTRACT 108**

Oiling 37½ miles of State Highways.  
280,000 Sq. Yds. Oiling Surface Treating.

**CONTRACT 109**

Police Station No. 2 Driveway.  
200 Tons Broken Stone Base Course.  
2,200 Sq. yds. Amesite Surface Course.

**CONTRACT 101**

Philadelphia Pike Widening, Claymont-Pennsylvania State Line.  
3,200 Cu. yds. Excavation.  
500 Cu. yds. Borrow.  
300 Cu. yds. Rock Excavation.  
300 Tons Broken Stone Base Course.  
2,800 Cu. yds. Cement Concrete Pavement.  
1,500 Lin. ft. Premoulded Bituminous Expansion Joint.  
20,000 Sq. ft. Cement Concrete Sidewalk  
80 Cu. yds. Class "A" Concrete.  
800 Cu. yds. Cement Rubble Masonry.  
1,000 Lbs. Reinforcement.  
2,000 Lin. ft. 15-in. T. C. Pipe.  
1,600 Lin. ft. 18-in. T. C. Pipe.  
600 Lin. ft. 24-in. T. C. Pipe.  
300 Lin. ft. 6-in. T. C. Pipe.  
400 Lin. ft. 15-in. R. C. Pipe.  
400 Lin. ft. Relaid Pipe.  
400 Lin. ft. 4-in. Pipe Underdrain.  
3,000 Lin. ft. Concrete Curb.  
16,000 Lbs. Cast Iron Gratings.

**CONTRACT CS62**

Gumboro Road-Elliott's School 4.08 Miles  
94 Acres Clearing.  
87 Acres Grubbing.  
13,000 Cu. yds. Excavation.  
5,000 Cu. yds. Borrow.  
3,650 Cu. yds. Cement Concrete Pavement.  
OR 3,650 Cu. yds. Cement Concrete Pavement (Slag Aggregate)  
230 Cu. yds. Class "A" Concrete.  
9,000 Lbs. Reinforcement.  
400 Lin. ft. 15-in. Corrugated Metal Pipe.  
180 Lin. ft. 15-in. R. C. Pipe.  
120 Lin. ft. 18-in. R. C. Pipe.  
90 Lin. ft. 24-in. R. C. Pipe.  
30 Lin. ft. 30-in. R. C. Pipe.  
6,000 Lin. ft. Wood Shoulder Curb.

**CONTRACT CS63**

Bridgeville Road-Double Bridges 3.40 Miles  
2 Acres Clearing.  
1 Acre Grubbing.  
12,000 Cu. yds. Excavation.  
9,000 Cu. yds. Borrow.  
280 Cu. yds. Class "A" Concrete.  
14,500 Lbs. Reinforcement.  
220 Lin. ft. 15-in. R. C. Pipe.  
160 Lin. ft. 18-in. R. C. Pipe.  
80 Lin. ft. 24-in. R. C. Pipe.  
3,000 Lin. ft. Wood Shoulder Curb.

**CONTRACT CS61**

Harmon School-Angola-Mission School 6.55 Miles.  
16 Acres Clearing.  
14 Acres Grubbing.  
20,000 Cu. yds. Excavation.  
7,500 Cu. yds. Borrow.  
9,600 Cu. yds. Cement Concrete Pavement.  
OR 9,600 Cu. yds. Cement Concrete Pavement (Slag Aggregate).  
OR 55,000 Sq. yds. Sand Asphalt Surface Course.  
130 Cu. yds. Class "A" Concrete.  
6,000 Lbs. Reinforcement.  
600 Lin. ft. 15-in. Corrugated Metal Pipe.  
220 Lin. ft. 15-in. R. C. Pipe.  
160 Lin. ft. 18-in. R. C. Pipe.  
30 Lin. ft. 24-in. R. C. Pipe.  
260 Lin. ft. 36-in. R. C. Pipe.  
8,000 Lin. ft. Wood Shoulder Curve.

Performance of contract shall commence within ten (10) days after execution of the contract and be completed as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department. Each proposal must be accompanied by

a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposed for the construction of State Highway Contract No. ...."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Complete sets of plans and specifications may be obtained upon receipt of two dollars (\$2.00) for each contract, which amount will not be refunded.

STATE HIGHWAY DEPARTMENT,  
Dover, Delaware.

Bids close March 26, 1928.

**Pipe and Fittings**

Plant City, Fla., March 15, 1928.

The City of Plant City, Fla., will receive sealed bids until Monday, March 26, 1928, at 8 P. M. for the purchase of the following pipe and fittings:

3000 lin. ft. 6-inch Class B Bell and Spigot Type Cast-Iron Water Pipe.  
1-10-inch to 6-inch Cast-Iron Reducer.  
10-6-inch Cast-Iron Plugs.  
4-4-inch Cast-Iron Plugs.  
6-6-inch Cast-Iron Sleeves.

All prices to be f. o. b. cars Plant City, Fla.

The city reserves the right to reject any or all bids.

By order of the City Commission.

E. H. THOMPSON,  
City Manager.

Bids close March 30, 1928.

**Sewer Pipe.**

Richmond, Va.

SEALED PROPOSALS WILL BE RECEIVED AT THE OFFICE OF THE DIRECTOR OF PUBLIC WORKS, RICHMOND, VA., UNTIL 3 O'CLOCK P. M. March 30, 1928, for the furnishing and delivery of approximately 37,000 lineal feet of Vitrified Clay or Plain Concrete Sewer Pipe, sizes from 6 inches to 24 inches. Also for approximately 12,000 lineal feet of Precast Reinforced Concrete or Segment Block Sewer Pipe, sizes from 30 inches to 60 inches.

A deposit of \$10 required on plans and proposal sheets, to be returned upon receipt of bona fide bid and plans returned.

Form of Proposal, Plans and Specifications can be obtained on application.

A CERTIFIED CHECK for the amount stated on proposals must accompany each bid as a guaranty of execution of contract. The Director of Public Works reserves the right to reject any and all bids.

R. KEITH COMPTON,  
Director of Public Works,  
City Hall.

Bids close April 2, 1928.

**Water-Wheel Pumping Unit**

Burlington, N. C.

Sealed bids will be received by the Mayor and Board of Aldermen of the City of Burlington, N. C., until 12 o'clock noon April 2, 1928, for the furnishing of one water wheel and centrifugal pump unit, comprising:

One 250 H. P. water wheel at 90% open under an effective head of 30-ft. water wheel, to be set in decked concrete penstock and wheel builders, to supply steel draft tube, wall rings and cover plates, thrust bearing and hand control, but no governor.

One centrifugal pump, direct connected to water wheel, without gears of any kind, of 2000 G. P. M. capacity, under a total static and friction head of 350 ft. Manufacturer may use any speed desired.

Plans of power house, now under construction, and any other information may be had on application to A. C. Linberg, Engineer, Burlington, N. C. Bidders will be required to furnish prints or cuts showing their proposed arrangements.

The right is reserved to reject any and all bids.

EARL B. HORNER, Mayor.  
F. E. McPHERSON, City Clerk.





## CLASSIFIED OPPORTUNITIES



### MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

**LIMESTONE DEPOSIT**  
FOR SALE—Limestone deposit near Hawkinsville, Ga.; analysis 90% Lime.  
ROBERT S. ANDERSON,  
Hawkinsville, Ga.

**MANGANESE DEPOSIT**  
MANGANESE—Near railroad and river, in Rockingham Co., Va.; 260 acres high-grade ore. Has yielded 6000 tons the acre. Adjacent land also yields ore. For description and terms write A. L. HARNBERGER, Mt. Airy, Md.

**FARM AND TIMBER LAND**  
FOR SALE—Fine Virgin Pine in Georgia. Original long and short leaf pine; never been bled for turpentine. Will cut from one and a half to two million feet; 500 acres, including farm and 3 tenant houses. Price \$20,000. Also have a farm of 347 acres fine ridge land; has good improvements. Price \$5000. Both farms are on railroad. M. A. Jackson, Wrightsville, Georgia.

### FARM, FRUIT AND TRUCK LANDS

#### ALABAMA AND MISSISSIPPI REAL PLANTATIONS

On Frisco's new line from Aberdeen to Pensacola, on Federal Highway from North to South. Tombigbee Valley's fertile soil. 800 acres, with magnificent Colonial Home. Artesian Wells, many improvements; \$50 per acre. 1760 acres, nice dwelling, in beautiful grove, good barns and many other improvements; joins new town on Frisco; \$35 per acre. Wire at our expense when we may show you these beautiful plantations.

THE SUNNY LAND ORGANIZATION,  
COLONIZATION,  
Aberdeen, Miss.

**FLORIDA**  
FLORIDA Colonization Tracts, Farms, City property and Citrus Groves. Co-operative Association, giving resident and non-resident members' groves scientific care.

E. J. KAUFMANN, Realtor  
(Established 1918),  
P. O. Box 15, Lakeland, Fla.

#### IT'S FREE—IN FLORIDA

The finest year 'round climate in the world—U. S. Weather Bureau. The Playground of the Rich; the Paradise of the Poor. Send today for 1928 list of Homes, Groves, Farms and Investments. Tampa-West Coast Realty Co. (Inc.), Opposite Post-office "Since Before the War," Tampa, Fla.

**GEORGIA**  
FOR SALE—Farm of 2200 acres, located on paved New York to Florida National Highway. 22 miles from Macon, Georgia, at a price which would not more than pay for the improvements and personal properties thereon. J. W. WOOLFOLK, Fort Valley, Ga.

#### NORTH CAROLINA

If interested

FOR HOME OR FOR INVESTMENT  
In the great and rapidly developing  
STATE OF NORTH CAROLINA,  
especially in its leading city, Charlotte, or  
in a Southern Cotton Mill or Southern Mill  
Stocks, write to

F. C. ARBOTT & CO.,  
Realtors and Investment Bankers  
Nearly thirty years in Charlotte.

#### TEXAS

RIO GRANDE VALLEY—1000 acres, \$30 an acre; half cash. Owner bedridden; must go to sanitarium. Sacrificing. Bearing orange orchard joins it; subdivide; get rich.  
BLACKSHEAR, Brownsville, Texas.

#### "TEXAS WINTER GARDEN" LANDS.

A subdivision in 20-40 acre tracts, cleared and irrigated; suitable for Citrus Fruits, Winter Vegetables, Staple Crops. Reasonable prices. INVESTIGATE our proposition TODAY.

BERMUDA LANDS COMPANY, Realtors,  
501-4 Houston Building,  
San Antonio, Texas.

### RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

### CITY AND SUBURBAN PROPERTY

#### ORMOND BEACH, FLORIDA

River to Ocean Property at Bargain Prices. Large strip of land on the famous Ormond-Daytona Beach, running back 2900 feet to the Halifax River, located two miles north of the Ormond Beach Hotel (owned and operated by the Florida East Coast Railroad) and the winter residence of Mr. John D. Rockefeller. For quick sale I offer a portion of this land for cash at a price way below its present value.

It is an ideal location for a large private estate or for a high-class residential development.

For particulars please address  
WALTER L. THURSTON,  
P. O. Box 1, Ormond Beach, Florida.

### BUSINESS AND INVESTMENT PROPERTIES

#### BILOXI, MISSISSIPPI.

#### FOR SALE OR LEASE.

200x400 feet, 700 feet west of Edgewater Gulf Hotel. Full Riparian Rights. Seawall and paved road in front. Short distance from golf course and railroad station. Wonderful location for apartment or hotel building. Terms reasonable.

W. E. STEWART, M. D.,  
402 Tribune Building,  
Terre Haute, Indiana.

### BUSINESS OPPORTUNITIES

MONEY MAKERS for some one able to promote. Newly patented rack for displaying mattresses on edge; 50,000 mattress dealers need them. Inexpensive; made of wood. All or part United States; bargain.  
J. C. JENNINGS, Winnsboro, Texas.

FOR SALE—At reasonable price, a well-equipped Sand Pit located on the main line of the Atlantic Coast Line Railway. Sand meets N. C. Highway Specifications. Reason for selling, owner has other interests outside of State. Address P. O. Box 1174, Columbia, South Carolina.

FLORIDA—Financially and otherwise. If you are interested in Florida and need help for special investigations along financial, property or development lines. I shall be glad to be of service to you. Many years of experience here and I know values and opportunities. I am not a real estate broker. My standing and connections will be made known upon correspondence. J. A. MAHNS, P. O. Box 756, Sarasota, Florida.

### PUBLIC UTILITIES WANTED

HAVE CLIENTS with money to invest in public utilities, electric-power plants, water-works systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1616 Tenth Avenue, South, Birmingham, Ala.

### INDUSTRIES WANTED

BENNETT, N. C., offers special inducements to all kinds of manufacturing enterprises; free land sites to worthy manufacturers. Labor plentiful. Climate same as famous Pinehurst. Health and sanitary conditions above the average. Cost of living unusually low. Schools and churches unequalled for location. Correspondence invited.  
J. R. PEACE and A. F. ANDREWS.

### INDUSTRIAL PLANTS

FOR SALE CHEAP—Flour, Corn and Feed Mill in best agricultural section of Georgia.  
J. W. WOOLFOLK, Fort Valley, Ga.

A COMPLETELY EQUIPPED MILLWORK MANUFACTURING PLANT at Spartanburg, S. C., for Rent. A wonderful opportunity to the right party. Address SPARTANBURG LUMBER MFG. CO.

FOR SALE—High-class planing mill, modern ice plant and cold storage, all well housed and equipped, on main line of Chesapeake & Ohio Railway, with two side tracks and two hard roads into property. Company owns 606 feet fronting on main line of said railroad. Plant on edge of corporation of a growing town near a five-million-dollar Government institution not yet completed. Quality of workmanship unquestioned and ice the best in the valley. Price and terms right.

ALDERSON PLANING MILL & MANUFACTURING CO.,  
Alderson, W. Va.

### FACTORY SITES

INDUSTRIAL SITE—Owner offers 24 acres, 1300-ft. railroad frontage, near hard-surface road; large, clear mountain stream on property; Duke's electric power; good churches and school; reasonable price; ideal climate. Sam P. Hill, East Flat Rock, N. C.

TAMPA, FLORIDA—the logical distributing point. HARRIS TERMINALS—fully equipped with railroad tracks on both the Seaboard and Atlantic Coast Line railroads.

We solicit your inquiries for WAREHOUSE and FACTORY sites. Prices and terms reasonable. HARRIS REALTY CO., Realtors, 105 W. Cass St., P. O. Box 585, Tampa, Florida.

#### HOUSTON INDUSTRIAL SITE

Owners offer 25 or 75 acres fronting on Ship Channel at the 69th Street Bridge, with Houston Belt & Terminal Railroad frontage; also long frontage on new highway connecting North and South sides. Wonderful site for industry. Can be sold with or without land for housing facilities.  
L. E. Norton, Scanlan Bldg., Houston, Texas.

A SMALL TOWN in Piedmont, North Carolina, will give to any manufacturing enterprise a site, with ample frontage on railroad. No city taxes. Labor cheap and plentiful. Abundant electric power available. For particulars address

T. G. MYERS,  
Southmont, North Carolina.

### INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY,  
Woolworth Building New York City

## PATENT ATTORNEYS

**FREE, "PATENT PARTICULARS":** Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M, 629 F, Washington, D. C.

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**INVENTORS—Send sketch or model of your invention for opinion concerning patentable nature and exact cost of applying for Patent.** Book, "How to Obtain a Patent," sent free. Gives information on Patent procedure and tells what every inventor should know. Established 25 years. **Chand-lee & Chand-lee**, 412 Seventh St. N. W., Washington, D. C.

## DISTRIBUTORS WANTED

**DISTRIBUTORS WANTED** Good, live machinery distributors wanted to handle the complete line of **OSGOOD** gasoline, steam or electric powered shovels, cranes, draglines and back hoes. Excellent territories open throughout the South and Middle West.

**THE OSGOOD COMPANY**,  
Marion, Ohio.

## AGENCIES WANTED

**EXPERIENCED SALESMAN**, owning car, wants manufacturer's line to sell direct to mills and factories in North Carolina on strictly commission basis; 15 years' experience; thoroughly familiar with trade in territory. Satisfactory references guaranteed. Correspondence solicited. **R. G. SLOAN**, Box 804, Greensboro, N. C.

## REPRESENTATIVES WANTED

**DALLAS AND ATLANTA DISTRICT MANAGERS WANTED** A prominent builder of cranes and shovels needs two sales engineers familiar with the industrial market to act as district managers. Each of these men must be familiar with one of the following fields: Dallas, Texas, or Atlanta, Ga. He must be of the highest type, a hard worker and demonstrate his ability to produce. Submit full information, past history and compensation desired in first letter. Address No. 6878, care of Manufacturers Record, Baltimore, Md.

## SITUATIONS WANTED

**WANTED—POSITION** Logging superintendent from stump to mill or railroad superintendent. Best of reference. **JOHN DAMERON**, Nolan, W. Va.

**WANTED—Position as sawyer or lumber grader.** Can furnish good references. **J. C. PIKE**,  
R. F. D. No. 1, Franklin, Ky.

**BUYER—Man, qualified and experienced** purchasing agent of commodities, building material, machinery and supplies, available. Located Greensboro, N. C. Address No. 6880, care Manufacturers Record, Baltimore, Md.

**HIGH-CLASS EXECUTIVE** wishes position with purchasing or executive department of industrial corporation. Three years' experience in traffic, five in purchasing and 17 in selling. Best references. Address No. 6882, care Manufacturers Record.

## SALES ORGANIZER

President large merchandising organization just sold interests. Open for permanent or temporary engagement in organization of sales or merchandising operations on contingent basis. Have hired and trained hundreds of men. Expert installment selling. A-1 credentials. Address No. 6883, care of Manufacturers Record, Baltimore, Md.

**WANTED—Position as superintendent of a fire-brick plant.** Have had thirty years of experience in manufacturing all grades of fire brick. Have the ability and technical knowledge to operate a plant with success that will pay good returns to the company. Write

**HARRY WALKER**,  
Care of Indian River Poultry Farm,  
R. F. D. 3, Norfolk, Va.

**SECRETARY AND MANAGING DIRECTOR** for nine years of a large professional organization, with sales and promotional experience, good legal training, former news writer and editor, trained to handle legislative matters before councils, general assemblies, etc., desires position as secretary and manager of Chamber of Commerce, national or state, commercial or trade association or city industrial bureau. Address No. 6884, care Manufacturers Record, Baltimore, Md.

## MEN WANTED

**IF YOU ARE OPEN** to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.

**R. W. BIXBY, INC.**,  
103 Downtown Bldg., Buffalo, New York.

## MEN WANTED

**SALESMAN WANTED—Our proposition** offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. **American Security Credit Company**,  
General Offices,  
St. Louis, Mo.

## WANTED

**A HIGH-CLASS SALESMAN** familiar with the largest hardware Jobbing and Consuming trade in the territory east of the Mississippi and south of the Ohio River. Straight salary proposition. No Brokers or Manufacturers' Agents need apply. Give experience and salary expected. **BOLTS**, care Manufacturers Record, Baltimore, Md.

## ENGINEER SALESMAN

A permanent position for an experienced engineer with experience selling boiler-room specialties. An opportunity to capitalize on your engineering knowledge and increase your income. Products are being used by some of the largest steam users in the country. State your experience.

**THE NORTH AMERICAN FIBRE PRODUCTS CO.**

Cleveland

Ohio

## CONTRACT WORK WANTED

**DEPENDABLE COMPANY**, with 45 years' experience, operating well-equipped and extensive plant consisting of Pattern Shop, Foundry, Machine Shop, Forge and Structural Shop, supported by skilled mechanics and capable engineers, wants connection with reliable consulting and contracting Engineers and others who desire a plant to manufacture Machinery and Equipment to meet their requirements. Plant facilities suitable for the manufacture of light or heavy units. Grey Iron and Semi-steel castings up to 40,000 lbs.; Brass and Aluminum up to 1000 lbs. Address No. 6796, care of Manufacturers Record, Baltimore, Md.

## MACHINERY AND SUPPLIES

**HAVE 35,000-gallon steel tank**, with 50-foot steel tower, for sale. Good condition; to be dismantled by purchaser. Will sell very cheap. Write **TROGDON FURNITURE COMPANY**, Toccoa, Georgia.

**ICE-MAKING AND REFRIGERATING MACHINERY—New and rebuilt.** Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. **GEISER MANUFACTURING COMPANY**, "Department E," Waynesboro, Pa.



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### Local Office Representation in N. Y. City Through our Consolidated Offices

Negotiations of all kinds handled for you. Representation in sales and purchases arranged, organized, supervised. Investigations and reports. Accounting service of every character. Personnel of exceptional ability and of the dependability of one of your own officers. This service is suggested to out-of-town companies with established offices in New York, as well as to others.

Details upon request. Interview arranged.

**I. B. Ashby, Box 383, General Post Office, New York City**

### Woodworking Plant—For Sale or Lease

Suitable for making Core or Dimension Stock. \$50,000 worth of Machinery, Dry Kilns and Five-Room Cottage. All for \$21,500. Easy Terms.

For Information write

**Mr. S. S. Preston**  
Johnson City, Tennessee



